



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

PC Code: 392201
DP Barcodes: 362953, 363765,
358761

MEMORANDUM

Subject: Addendum to EFED Environmental Risk Assessment for the Proposed Uses of Spirotetramat on the Production of Cotton, Soybean, Legume Vegetables, Tropical Fruit, Pistachio, Okra, and Dried Prunes, Review of Risk to Pollinators, and Groundwater Label Requirement Revision.

To: Rita Kumar, Risk Manager Reviewer
John Hebert, Risk Manager, Rm 07
Meredith Laws, Branch Chief
Insecticide-Rodenticide Branch
Registration Division (7505P)

From: Joseph DeCant, Ecologist, Ecological Effects Reviewer
Environmental Risk Branch V
Environmental Fate and Effects Division (7507P)

Joseph P. DeCant 11/23/09

Through: Mah T. Shamim, Ph.D., Branch Chief
Environmental Risk Branch V
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Mahamur 11/23/09

Bayer CropScience has proposed modifying the labels according to its application to amend the registration of its spirotetramat products, MOVENTO™, BYI8330 150 OD, and ULTOR™ (EPA Correspondance No. 09-03S). Bayer CropScience is requesting that the following language be removed from its label, "This product is potentially toxic to honey bee larvae through residues in pollen and nectar, but not to adult honey bees. Exposure of adult bees to direct treatment or residues on blooming crops can lead to effects on honey bee larvae. See the 'Directions for Use' section of this label for specific crop application instruction that minimize risk to honey bee larvae." The previous memo to which this memo serves as an addendum did not address the above line, "This product is potentially toxic to honey bee larvae through residues in pollen and nectar, but not to adult honey bees". Similar to the conclusion for the rest of the above label language, the EFED does not concur with the request to remove this line from the labels. Previous studies have shown spirotetramat to be toxic to honey bee larvae and the studies from Bayer CropScience are inadequate to address the uncertainty associated with the

potential effects of spirotetramat on the honey bee brood. For further information see the section "Evaluation of Spirotetramat and Pollinators" in the previous memo.

The previous memo also mentions the request to remove the label language that restricts the use of spirotetramat on blooming cucurbits and citrus. The application to amend the registration (EPA Correspondance No. 09-03S) of Spirotetramat Technical, MOVENTO, BYI 8330 150 OD, and ULTOR submitted on February 5, 2009, only requested the label language be removed for cucurbits. However, citrus was addressed in the memo because Bayer CropScience later submitted a position paper (MRID 475764-01) that stated their proposal for the removal of this label language for both crops.



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From: Joseph DeCant, Ecologist, Ecological Effects Reviewer
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Through: Mah T. Shamim, Ph.D., Branch Chief
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This memo addresses a series of requests made by Bayer CropScience related to the use of spirotetramat. First, this memo assesses the state of science regarding pollinators and the results of recently submitted studies as they pertain to the requested revisions to the bee label language and field study requirement. It also deals with the groundwater label revision request proposed by the registrant. Finally, it addresses the risk to terrestrial and aquatic non-target species associated with new use registrations that are currently being requested for spirotetramat products for the following crops: cotton, soybean, legume vegetables, tropical fruit, pistachio, okra, and dried prunes (see Table 1 below for the proposed rates). A list is attached of endangered species that may be affected by the proposed uses (Appendix I).

The major conclusions from the assessment of available information are as follows. The Environmental Fate and Effects Division (EFED) does not concur with the request of Bayer

CropScience to remove the label language restricting the spraying before and during bloom on cucurbits and citrus nor the removal of the label language stating, "Exposure of adult bees to direct treatment or residues on blooming crops can lead to effects on honey bee larvae. See the "Directions for Use" section of this label for specific crop application instructions that minimize risk to honey bee larvae." Nor does the EFED concur with the request to consider fulfilled the condition of registration for Movento™ for field testing with pollinators by the submission of the previous two field studies and the additional data contained in the submitted data package. The data gap therefore remains for OPPTS Guideline 850.3040; Field Testing for Pollinators. However, the EFED agrees with the registrant that the label statement, "Do not apply until after petal fall" in the specific crop sections for tree nuts, stone fruits, and pome fruits is redundant and is already stated in the "Application Information" section. The statement, "Do not apply until after petal fall", may therefore be removed from the crop specific sections.

Regarding the groundwater label amendment, spirotetramat, spirotetramat-enol and/or spirotetramat-ketohydroxy, which are expected to be important components of spirotetramat total toxic residues, under particular conditions, are relatively highly mobile and persistent, and, under certain circumstances, as described in the label recommendation ("areas where soils are permeable, particularly where the water table is shallow"), could leach into ground waters. Based on these conclusions, the EFED does not concur with the registrant's labels amendment request at this time.

Finally, based on its review of the new studies and the proposed new uses, the EFED concludes that the risk picture for all proposed new uses is not substantially altered from the most recent assessment covering the currently registered uses of spirotetramat. The ecological risk assessment findings under that review therefore pertain to this request (copy attached¹). Please rely on the prior assessment and the additional information presented here for the evaluation of the ecological risk conclusions for the proposed new uses.

Evaluation of Spirotetramat and Pollinators

Request from Bayer CropScience

New studies on the fate and toxicity of the spirotetramat parent compound and the major degradates as they relate to pollinators have been submitted to the EFED since the last risk assessment². Bayer CropScience submitted a document entitled "Position Paper on Toxicity of Spirotetramat to Honey Bees" (MRID 47576401), which states their rationale behind their three-fold request as outlined below:

1. The condition of registration for Movento™ for field testing with pollinators be considered fulfilled with the previous submission of two field studies and the additional data included in this data package.

¹ Appendices can be found at H:\EFED_Chem_Files\392201\Sec 3\D345278.

² MRID Numbers 47576401, 47563302, 47563303, 47563304, 47563305, 47563306, 47563307, 47563308, 47563309, 47563310, 47563311, 47563312.

2. The environmental hazard statement should be amended as follows. Remove, "Exposure of adult bees to direct treatment or residues on blooming crops can lead to effects on honey bee larvae. See the "Directions for Use" section of this label for specific crop application instructions that minimize risk to honey bee larvae." and replace with "No effects on the bee brood have been observed in field testing with Movento".
3. The restriction on cucurbits and citrus to avoid spraying before and during bloom is not necessary and should be removed. The statement, "Do not apply until after petal fall" should also be removed. This is redundant with the statement in the "Application Information" section of the label which will remain on the label and states, "Sufficient leaf tissue must be present for uptake and translocation of this product; due to this requirement, do not apply prior to petal-fall on pome fruits, stone fruits, and tree nut crops."

Bayer CropScience proposes that their products containing spirotetramat are safe for pollinators as evidenced by field and semi-field trials with *Apis mellifera*. These studies range from residue studies in pollen, nectar, and blossoms to semi-field trials with spirotetramat spiked pollen to field trials using melon and citrus crops.

Previous laboratory studies have illustrated the ability of spirotetramat to adversely affect bee brood (MRID 469044-70, 769044-58). These studies subjected honeybees to sugar solutions containing 0.0144% spirotetramat (equivalent to 144ppm in the bee food), and they found that spirotetramat has the ability to substantially affect bee brood development. Bayer subsequently sponsored a tunnel study to further evaluate the possible effects of spirotetramat to bee brood (MRID 472769-01), which also demonstrated the potential for spirotetramat to affect bee brood development.

In response to these studies, Bayer CropScience countered that these studies represent unrealistic exposure scenarios. The laboratory studies, they contend, exposed the bees to unrealistically high concentrations that will not be found in the environment. Similarly, the bees exposed in the tunnel study were forced to forage on the contaminated crop, and therefore represent unrealistic worst-case exposure conditions. They therefore conducted two studies, a semi-field (MRID 469044-59) test with oilseed rape and a field test (MRID 469044-62) with flowering lacy phacelia. In both studies, no adverse effects occurred in honey bee adults or brood.

Despite these studies the EFED continued to state that risk to honey bee brood from spirotetramat could not be precluded. The EFED countered with the rationale that the tunnel study that showed effects to the bee brood exhibited effects lower than the maximum labeled application rate. The tunnel study by Bayer, which did not show effects, was conducted with application rates of approximately one-half the maximum labeled application rate. Similarly, in the field study conducted by Bayer not only were the highest single application rates approximately equal to half the maximum single proposed label application rate, but the overall total application rates were approximately half the maximum proposed label seasonal application rate.

The conclusion of the EFED related to honey bee brood and development were based on a couple of reasons. The rationale was partly based on the nature of spirotetramat as an insecticide that has exhibited effects to bee brood under less than maximum application rates. The other

part of the rationale was that two other related chemicals (spiromesifen and spirodiclofen) showed the potential for chronic effects to bee brood and development while displaying low acute toxicity.

Review of Recently Submitted Studies

The new studies submitted by Bayer CropScience are in response to the request for a field study that assesses the toxicity and exposure of spirotetramat to bees under field conditions. A total of 11 studies were submitted for review to fulfill the Field Testing for Pollinators requirement in the conditional registration. A total of six studies were submitted that examined the residues of spirotetramat, which address the exposure of spirotetramat to pollinators. Two studies explore the toxic effects of spirotetramat over a range of concentrations in spiked pollen samples when given to bees in a tunnel design. Finally, three studies explore the toxicity of spirotetramat when bees are exposed under field conditions. The results of each study will be presented below along with the limitations of the studies that affect their ability to adequately assess the risk of spirotetramat to honey bee brood.

47563302 Assessment of effects of Spirotetramat OD 150 on honey bee (*Apis mellifera*) colonies under a realistic field scenario in a melon crop in 2007 (non-GLP).

Classification: This field study is invalid due to the statistically significant differences between treatment groups for average larval abundance and number of dead pupae before the first application as well as the inability to confirm exposure after the 2nd application.

This study assessed the effects of total spirotetramat residues on honey bee colonies in a field study design at application rates of 72 g a.i./ha applied four times and 88 g a.i./ha applied four times. A review of the study revealed significant differences between the control plot and the both treatment groups for average larval abundance by a greater than 34% reduction in both groups compared to the control before the first application. For the average number of dead pupae, there was a reviewer-estimated effect on the number of dead pupae in the 72 and 88 g a.i./ha treatment group before the first treatment was applied. In addition, there were events of pupae expulsion from the hives in both treatment groups on different days after the first treatment. For the endpoint of number of dead worker bees per hive, the variability within groups was extremely high. The average number of dead worker bees was 4 times as high and 3 times as high in the 72 and 88 g a.i./ha treatment groups as compared to the control, respectively. Furthermore, there was significantly higher mortality in the treatment groups before application of the test material. In summary, many of the endpoints exhibited high variability or significant differences between groups even before the first application, which does not allow for meaningful comparisons between treatment groups.

A number of other limitations arose in the study. The study authors reported that a flower density equivalent to approximately 200 melon blossoms/100 m is sufficient to provide an attractive food source for honeybees. However, the crop fell below this threshold after the 2nd application. The study authors did not provide a reference for this critical threshold. The study

authors also stated that a positive proof of the absence of effects could only be provided for the study period up to the T1 assessment, because they were uncertain about exposure in the period after the 2nd application. The plots were located only three kilometers apart from each other, which is within the foraging range of a honeybee (Beekman and Ratneiks, 2000). The study showed high variability in the controls. Melon plants on almost all of the plots were heavily infested with *Bemisia* sp., so thiacloprid and deltamethrin were used to control the infestation. Finally, the study authors did not confirm foraging through pollen identification or exposure through pollen/nectar analysis.

47563303 Assessment of effects of Spirotetramat OD 150 to honey bee (Apis mellifera) colonies under a realistic field scenario in a melon crop.

Classification: This study is supplemental because it provides information about the effects of spirotetramat on bees in a field scenario; however, the study did not confirm foraging or exposure through pollen identification or pollen/nectar analysis, showed reduced foraging potential after the fourth application of the test material, and did not quantify foraging on the crop.

The study authors examined the effects of total spirotetramat residues on honey bee colonies in a field study setting with a melon crop. The study was conducted at three rates: 0 for the control, 75 g a.i./ha applied four times, and 88 g a.i./ha applied twice. There was no evidence of any treatment related effects in any of the endpoints measured.

There were a number of aspects related to this study that limit the inferences that can be drawn from it. All of the treatments exhibited high variability, which may either have masked the effects from the test material or may have reflected natural variability in bee colonies. After the fourth application of the test material, there was an observed decrease in blossom density. This decrease was reported as being normal due to the crop being cultivated later than is done regionally that resulted in a shortened flowering period. The plots were again only 3km apart. The study authors did not confirm foraging through pollen identification or exposure through pollen/nectar analysis. Finally, the study author stated that they obtained visual verification of exposure by observing bees on the blossoms, but this conclusion was not quantified.

47563304 Assessment of Side Effects of Spirotetramat OD 150 on the Honey Bee (Apis mellifera L.) Applied to Citrus in the Field in Spain.

Classification: This study is supplemental because it shows the effects of spirotetramat on bee brood in a field setting, but it also shows high variability in the endpoints and that little citrus pollen was foraged by bees in the treatment group suggesting limited exposure to the chemical.

This study assessed the effects of total spirotetramat residues to honey bee colonies in citrus crops in Spain. The chemical was applied at a rate of 192.0 g a.i./ha, which was applied at two different times and separated by three weeks. The treated and the control orchards were

appropriately far away from each other (15km). There was no evidence of any treatment related effects in any of the endpoints measured.

This study using citrus crops showed that total spirotetramat residues would not result in any adverse effects to honey bee colonies. Yet, the study also showed some results that question the usefulness of the study. High variability in the endpoints was apparent in both of the treatments in the study. A review of the study revealed that on a day to day basis, the control and treatment orchards would exhibit increased mortality or decreased foraging as compared to one another. But the effects were minimized when considering the entire post-application period due to the high daily variability. The pollen and nectar analysis showed the accumulation of small amounts of spirotetramat in the pollen, but not the nectar, inside the hives of the bee colonies (<0.01 to 0.03 mg/kg of spirotetramat and <0.01 to 0.15 mg/kg of BYI08330-enol). The study authors identified the pollen in the hives and remarked that the bees in the control group foraged on a variety of crops including citrus (from 8.7% on day 26 after the second application to 23.7% on day 14 after the second application) whereas in the treated orchard little citrus pollen was collected (from 1.0% on day 26 after the second application to 2.7% on day 7 after the second application). This data shows that bees were foraging on other crops besides citrus and may imply that spirotetramat has repellent properties. Furthermore, the residues of spirotetramat found inside the hive could not be compared to the citrus residue study (MRID 47563312) that could not verify the chemical concentrations in the pollen. This comparison would have confirmed if the concentration found in this study could be realistic or simply an artifact of a lack of foraging on the treated crop.

47563305 Determination of Effects of Spirotetramat in Spiked Pollen to Honeybee Brood under Semi-Field Conditions (Trial 2008).

Classification: This study is supplemental as it illustrates the impact of spirotetramat in a food source over a range of concentrations, but it also revealed several limitations such as high variability in the endpoints in all treatment groups, a decrease in larval and pupal abundance in all treatment groups until the bees were allowed to forage, and the lack of pollen storage inside the hive.

The purpose of this study was to assess the effects of pollen spiked with total spirotetramat residues on honey bee colonies and their brood. The study authors reported no effects on brood or brood development after feeding small honeybee colonies for 21 days with the spiked pollen with nominal concentrations covering a range of 0, 2, 10, and 20 mg/kg. In addition, there appeared to be no adverse effects on comb development, hive weight development, honey and pollen storage behavior, and foraging activity. After exposure the bees were allowed to forage outside of the tunnels.

The study provided an assessment of total spirotetramat residue toxicity to honey bee brood in a tunnel design. This design ensured that the only food source for the hives would be the food provided by the study authors, which were the spiked pollen and spirotetramat free honey. The study showed no adverse effects to any endpoint, however the data also showed some results that question the applicability of the study. First, the honeybees in all of the treatments did not store

pollen in the hives until they could forage outside of the tunnel, yet they stored honey from a feeder outside the hive over the course of the whole study. The study authors state that the bees did not store pollen because they considered the pollen in the petri dish inside the hive to be a part of the comb. This rationale should be a part of future research into this method given the propensity of honey bee behavior to store pollen and nectar in the hives. Second, all of the treatments, including the controls, showed a decrease in larval and pupal abundance over the course of the study until the bees were allowed to forage outside of the tunnel, at which point both parameters increased in the various treatments. Finally, the different treatments showed high variability in the endpoints with only three replicates per treatment, which may be a result of natural honey bee colony variability or may mask any treatment level effects.

47563306 Determination of Effects of BYI08330 in Spiked Pollen to Honeybee Brood under Semi-Field Conditions (Trial 2006).

Classification: This study is supplemental because it provides useful information about the effects of spirotetramat on bees in a tunnel design, but it also has deficiencies such as the lack of pollen collection inside the hive and the study design lacked replication.

This study examined the effects of pollen spiked with a range of concentrations of total spirotetramat residues. The concentrations were 0, 0.05, 0.2, 0.5, 2, and 10 mg/kg. The bees were exposed for 22 days to spiked pollen through a feeder placed outside the hive and one placed inside the hive. After exposure the bees were allowed to forage outside of the tunnels. The study authors concluded that a slight transient effect to larval abundance in the highest treatment group could not be excluded. They also reported that there were no adverse effects to other brood-related endpoints, comb development, hive weight development, honey and pollen storage behavior, foraging activity and mortality by foraging on and consumption of pollen containing up to 10mg BYI08330 and BYI08330-enol/kg pollen. After a review of the results however, egg deposition appeared to decrease at all levels, including the controls.

While the study employs a tunnel design to ensure exposure, the study has a number of deficiencies that render it of little use in risk assessment to pollinators. The study authors did not conduct statistical analyses on the data for each endpoint. The mortality data are presented as the number of dead bees found, but the exact number of bees in each treatment level at test initiation is not known so that percent mortality could not be determined. The honey was placed in a feeder outside of the hives, whereas spiked pollen was placed in two feeding dishes inside the tunnel, one inside the hive and one outside the hive. The bees collected honey and stored the honey inside the hives; however they did not store pollen in the combs. The study authors state that the bees did not store pollen because they considered the pollen in the petri dish inside the hive to be a part of the comb. This rationale should be a part of future research into this method given the propensity of honey bee behavior to store pollen and nectar in the hives. The most important deficiency is the lack of replicates in the study, which places the results in question because statistical analyses cannot be performed on the data and severely limits the usefulness of the study.

47563307 Residues of Spirotetramat and its metabolites in blossom samples of melons after spray application in Spain.

Classification: This study is supplemental as it provides useful information related to the accumulation of spirotetramat in melon blossoms, but it was not conducted according to any established guideline.

This study assessed the magnitude of residues of spirotetramat in melon blossoms at two rates of 72 and 288 g a.i./ha. The study concluded that total residues can persist as long as 10 days after application. Total residue concentrations were 1.463 mg/kg after three hours post application in the 72 g a.i./ha treatment and 4.690 mg/kg after three hours post application in the 288 g a.i./ha treatment. This study showed that residues persisted in melon blossoms after both application rates.

47563308 Residues of Spirotetramat and its metabolites in nectar and pollen samples of melons after spray application (tunnel test) in Spain.

Classification: This study is supplemental as it provides useful information related to the accumulation of spirotetramat in honey bee nectar and pollen after foraging on melon blossoms, but it was not conducted according to any established guideline.

The study authors assessed the magnitude of total residues of spirotetramat in nectar and pollen collected by honeybees (*Apis mellifera*) from melon crops in a tunnel design. Spirotetramat was applied at two rates: 96 and 288 g a.i./ha. The nectar and pollen were collected from inside the hive. Two different application times provided a comparison of total residues when applications were made five days before flowering or at full flowering. The maximum concentrations based on the sampling design inside the hives were 0.306 mg/kg after an application of 288 g a.i./ha at 17 days after treatment and 0.213 mg/kg after an application of 96 g a.i./ha at 11 days after treatment. The study addresses the accumulation of spirotetramat in honeybee nectar and pollen stores, but it did not include control plots. More importantly, the sampling showed increasing concentrations of spirotetramat in the hives over time. Yet the sampling did not capture the point at which concentrations remained constant or decreased, which suggests that the study may not have captured the maximum concentrations inside the hives.

47563309 Residues of Spirotetramat and its metabolites in citrus blossoms after spray application in Spain.

Classification: This study is supplemental as it provides useful information related to the accumulation of spirotetramat in citrus blossoms, but it was not conducted according to any established guideline.

This study examined the concentrations of spirotetramat in citrus blossoms with a total application rate of 112.5g a.i./ha applied two times. The upper bound of reported total residues reached 0.742mg/kg, with a mean value of 0.591mg/kg. The study showed that total residues of spirotetramat will accumulate in citrus blossoms. The study was limited in that it failed to use the maximum labeled rates, but in fact used a rate approximately one-half of both the maximum application rate and the maximum seasonal application amount.

47563310 Residues of Spirotetramat and its metabolites in nectar and pollen of phacelia after spray application in Germany.

Classification: This study is supplemental as it provides useful information related to the accumulation of spirotetramat in phacelia nectar and pollen collected from inside bee hives, but it was not conducted according any established guideline, they did not describe their methods for analyzing the honeybee toxicity endpoints or condition of the bees, and the study did not have a control treatment.

The focus of this study was on the total residues of spirotetramat in nectar and pollen collected by bees (*A. mellifera*). The chemical was applied at a rate of 100 g a.i./ha over phacelia, and residues in pollen and nectar were collected from inside the hive. Analysis showed that total spirotetramat residues in pollen accumulated to a maximum of 6.35 mg/kg at 4 days after application. In addition, concentrations tended to remain high where the upper bound of total residues was 4.51 mg/kg at 10 days after application. However, total residues in nectar showed much lower concentrations with a maximum of 0.33 mg/kg at 4 days after application and an upper bound of 0.23 mg/kg at 10 days after application. The study found no effects to any measured endpoint in the honeybee colony.

The study showed that total spirotetramat residues can accumulate in the pollen and nectar of honeybee hives after foraging on treated phacelia and persist for at least ten days. However, the study had a number of limitations. The authors did not describe their methods for analyzing the honeybee toxicity endpoints, and the source, health, and age of the bees of the honeybee colony were not reported, and most importantly the study did not have a control treatment.

47563311 Residues of Spirotetramat and its metabolites in nectar and pollen of summer oilseed rape after spray application in Germany.

Classification: This study is supplemental as it provides useful information related to the accumulation of spirotetramat in nectar and pollen from summer oilseed rape collected from inside bee hives, but it was not conducted according to any established guideline, they did not describe their methods for analyzing the honeybee toxicity endpoints or condition of the bees, and the study did not have a control treatment.

Similar to the study on phacelia nectar and pollen, this study focused on the total residues of spirotetramat in nectar and pollen collected by bees (*A. mellifera*). The chemical was applied at

a rate of 100 g a.i./ha over oilseed rape, and residues in pollen and nectar were collected from inside the hive. Analysis showed that total spirotetramat residues in pollen exhibited a maximum of 8.31 mg/kg at 6 days after application. In addition, concentrations tended to remain high where the upper bound on total residues was 7.14 mg/kg at 7 days after application. However, total residues in nectar showed much lower concentrations with a maximum of 0.06 mg/kg at 4 days after application and an upper bound of 0.04 mg/kg at 7 days after application. The study found no effects to any measured endpoint in the honeybee colony.

The study showed that total spirotetramat residues can accumulate in the pollen and nectar from honeybee hives after foraging on treated oilseed rape and persist for at least ten days. However, the study had a number of limitations. The authors did not describe their methods for analyzing the honeybee toxicity endpoints, and the source, health, and age of the bees of the honeybee colony were not reported, and most importantly the study did not have a control treatment.

47563312 Residues of Spirotetramat and its metabolites in nectar and pollen of citrus after spray application in Spain.

Classification: This study is supplemental as it provides useful information related to the accumulation of spirotetramat in citrus nectar and pollen collected from inside bee hives, but it was not conducted according to any established guideline nor did it assess the accumulation of spirotetramat in pollen stores in the hive.

This study focused on the total residues of spirotetramat in nectar and pollen collected by bees (*A. mellifera*) in a crop of citrus. The chemical was applied twice at a rate of 75 g a.i./ha/m canopy height over citrus, and residues in nectar were collected from inside the hive. Analysis showed that total spirotetramat residues in nectar did not accumulate to quantifiable concentrations throughout the entire study. The study failed to assess the accumulation potential of spirotetramat residues in pollen because there was not enough pollen to sample. In addition, the application rate was approximately one-half of both the maximum application rate and the seasonal application rate.

EFED Response

In summary, these studies show that total spirotetramat residues will accumulate in the blossoms of various crops up to a maximum of 4.69 mg/kg after a treatment of 288 g a.i./ha in melon and 0.591 mg/kg after a treatment of 112.5 g a.i./ha applied twice in citrus. The residues accumulate in the pollen stores of a hive up to a maximum of 0.306 mg/kg after a treatment of 288 g a.i./ha in melon, 6.35 mg/kg after a treatment of 100 g a.i./ha in phacelia, and 8.31 mg/kg after a treatment of 100 g a.i./ha in oilseed rape.

These studies also show that in a tunnel study design where honey bees are forced to forage on pollen spiked with spirotetramat and its metabolites the results can be mixed. The tunnel study in 2006 (47563306) showed slight transient effects at 10 mg/kg. The NOAEC would therefore be 2 mg/kg based on this study. However, a similar study in 2008 (47563305) showed no effects

at any treatment level up to 20 mg/kg. Both of the field studies (47563303, 47563304) showed no adverse effects to any endpoints.

It would appear that spirotetramat exposure to the brood, which is conclusive based on the residue analyses of the pollen and nectar stores inside the hives in the tunnel studies, will not be toxic to honeybees at the application rates tested in the field studies. Furthermore, the tunnel studies with spiked pollen show that adverse effects would not occur at concentrations up to 2 mg/kg based upon the 2006 tunnel study (47563306).

Yet, as previously reviewed, these studies have some substantial limitations in addressing the potential toxicity of spirotetramat to honey bee colonies. The deficiencies range from high variability and few replicates (47563305, 47563303, and 47563304), questionable hive performance given differences between treatments even before chemical application (47563302), questions of exposure related to a decrease in blossom density or the lack of pollen identification analysis (47563302, 47563303), application rates lower than the maximum labeled use rate and maximum seasonal rate (47563309, 47563312), a lack of method reporting for toxicity endpoints (47563310, 47563311), a sampling design that may not have captured the maximum exposure level (47563308), to a complete lack of replicates (47563306). Also, concentrations in citrus pollen stored inside the hives were not be assessed in field study (47563304) even though one of the requested actions is to remove the restriction of applying spirotetramat to blooming citrus.

An additional limitation of the studies arises from the nature of the risk posed by spirotetramat. Previous laboratory studies showed effects to the brood. The current studies show that spirotetramat may affect larval abundance (47563306). They also show that spirotetramat residues will accumulate and persist in the hives of honey bee colonies. In fact, even though the NOAEC as established in the 2006 tunnel study (47563306) is questionable given the high variability in the control treatment endpoints, concentrations in the semi-field residue studies for phacelia and oilseed rape were greater than this value. Both of these aspects of toxicity and exposure, together with the results of the previous laboratory studies, suggest that chronic risk needs to be the assessment goal in the field study. However, the maximum length of time that these studies assessed the honey bee colonies was approximately 1.5 months (47563303, and 47563304).

The EFED does not concur with the requested label changes as requested by Bayer CropSciences. An application to blooming citrus or cucurbits could increase the exposure to adult bees, which would then allow the adult foragers to return and expose the hive to these higher pesticide loads. The removal of the labeling language related to both the application to blooming citrus or cucurbits and the effects to honey bee broods is inappropriate considering that as previously discussed the recently submitted studies have deficiencies that do not allow for a sufficient analysis of exposure and potential chronic effects to the brood of honey bee colonies. These deficiencies do not provide sufficient evidence to alter the EFED's assessment of the risk of spirotetramat to pollinators and beneficial insects as outlined in the attached previous risk assessment.

Finally, given these deficiencies and the need to assess chronic risk, the most recently submitted studies do not satisfy the requirements of a field study. Previous responses and comments by RD

and the EFED recommended submitting a proposed study design and working with the EFED to establish a testing protocol before the study would be implemented. Some aspects of the design that should be incorporated into a new field study should be:

- An assessment of the maximum residues that would be collected in the pollen and nectar over the crop season
- Confirm exposure in field trials with pollen identification and pollen and nectar residue analysis
- Maintain an appropriate distance between the control and treatment plots
- Extend the length of assessment time to assess impacts to overwintering brood
- Ensure appropriate replication given the apparent variability in honey bee endpoints shown by the most recently submitted studies
- Application rates should be the maximum labeled application rate and preferably the maximum seasonal rate as well
- Report the methods for assessing all toxicity endpoints

The EFED, however, concurs with the request to remove the statement “Do not apply until after petal fall” in the sections for pome fruits, stone fruits, and tree nuts. These statements are a reiteration of the label language in the “Application Information” that states, “Sufficient leaf tissue must be present for uptake and translocation of this product; due to this requirement, do not apply prior to petal-fall on pome fruits, stone fruits, and tree nut crops”.

The EFED acknowledges the efforts of Bayer CropScience and looks forward to working with Bayer CropScience to further evaluate the effects of spirotetramat and its residues on pollinators. The efforts of Bayer CropScience in this evaluation are greatly appreciated as this study will provide needed data to address important information gaps in the risk assessment.

Groundwater Label Requirement Revision³

Request from Bayer CropScience

The registrant of spirotetramat, Bayer CropScience, also submitted applications to amend the labels of Spirotetramat Technical and its three end use products (as indicated in footnote #3). The registrant proposed to delete the following statements from the labels:

Technical Label: “This chemical has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.”

³ Letter from L. Hodges to R. Kumar, Identified as EPA Correspondence No. 09-03S, dated Feb. 5, 2009, Re: Application to Amend the Registration of: •Spirotetramat Technical (EPA Reg. No. 264-1049); •Movento (EPA Reg. No. 264-1050); •BYI 8330 150 OD Insecticide (EPA Reg. No. 264-1051); •ULTOR (EPA Reg. No. 264-1065).

End Use Products Labels: “This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.”

The registrant cited two submissions in support of their request, a photolysis on soil study, using a sterile soil (MRID# 47576502), which was accompanied by a position paper (MRID# 47576501), related to the nature of the non-extractable residues (NER). The Agency is reviewing both submissions concurrently with this request. The issue of the NER is addressed in a separate document (refer to DP Barcode 358765+), and affects little the conclusions made in the current action. Based on a cursory revision of the available data, the Agency believes that the required statements should remain in the label.

EFED Response

EFED does not concur with the registrant’s labels amendment request at this time. According to the Label Review Manual,⁴ “The need for a ground water label advisory is based on the environmental fate properties of the chemical and/or detections of the chemical in ground water.”

The Agency requires a label statement based on its environmental fate characteristics like its mobility; firstly, if K_d is less than 5, or the field dissipation results indicate that the chemical leaches. For spirotetramat-ketohydroxy, which appears to be the most persistent of the compounds derived from spirotetramat, $K_d \leq 2.21$ mL/g, indicating relatively high mobility (not to mention that for spirotetramat-enol, the range of K_d ’s is as low as 0.52-0.86 mL/g, and for the parent spirotetramat itself, the K_d ’s and K_F ’s are <5 mL/g as well).

Secondly, the other characteristic examined is the chemical’s persistence; *i.e.*, the hydrolysis half-life is greater than 30 days at any pH or the aerobic soil metabolism half-life is greater than 2 weeks. The hydrolysis of spirotetramat-ketohydroxy is uncertain (it is not available), but the spirotetramat-enol, which is the precursor of the ketohydroxy, is “stable” at pHs of 4, 7 and 9. Also, the parent spirotetramat shows half-lives of 32.5-47.6 days at pH 4 and a temperature of 20-25°C. Spirotetramat-ketohydroxy is assumed to be stable to hydrolysis in the absence of additional information. Also, the aerobic soil metabolism of spirotetramat-ketohydroxy, ranges from 1.5 to 16.7 days, with a 90th percentile of the upper confidence bound on the mean of four half-life values of 12.4 days. Although for three of the soils, the half-lives were < 5 days, the value of 16.7 days (greater than 2 weeks) was obtained for the Molino sandy loam soil (from FL), with the lowest organic carbon content (0.93%) and the lowest microbial biomass (this is also the only domestic soil). This may indicate that in certain vulnerable soils, spirotetramat-ketohydroxy could persist (exhibit a half-life >2 weeks). As additional weight-of-evidence to support the conclusion that spirotetramat and/or its metabolites could be persistent under various conditions, in the aerobic aquatic environments, spirotetramat-ketohydroxy appears to be persistent (suggesting also that its hydrolysis is >30 days), and in anaerobic aquatic environments, the ultimate metabolite formed is spirotetramat-enol, which is persistent under the testing conditions (no data available for the ketohydroxy, but presumed to be persistent as well).

⁴ Available at the following url: <http://www.epa.gov/oppfead1/labeling/lrm/>.

In short, spirotetramat, spirotetramat-enol and/or spirotetramat-ketohydroxy, which are expected to be important components of spirotetramat total toxic residues, under particular conditions, are relatively highly mobile and persistent, and, under certain circumstances, as described in the label recommendation (“areas where soils are permeable, particularly where the water table is shallow”), could leach into ground waters. Based on these conclusions, the EFED does not concur with the registrant’s labels amendment request at this time.

Risk Assessment

Based on the maximum exposure scenario allowed under these new uses, exposure modeling was conducted with the EFED’s PRZM/EXAMS, T-REX (T-REX, Version 1.3.1, dated December 7, 2006), and TerrPlant (v1.2.2) models to estimate exposure to aquatic organisms (Tables 2 and 3), terrestrial animals (Table 4), and upland and wetland plants (Table 5), respectively. Based on the results of T-REX and TerrPlant, the estimated environmental concentrations (EECs) were less than the highest EECs estimated in the previously conducted risk assessment, “Environmental Fate and Ecological Risk Assessment for the Section 3 Registration of the New Chemical Spirotetramat (DP Barcode 345278; Dated May 30, 2008)” (based on the more conservative total residues approach discussed in the assessment). Only EECs for terrestrial and aquatic organisms are presented below to demonstrate that exposure, and therefore risk, for the proposed new uses will be lower than for the currently registered uses.

Based on its review, the EFED concludes that the risk picture for all proposed new uses is not substantially altered from the previously mentioned assessment covering the currently registered uses of spirotetramat. The ecological risk assessment findings under that review therefore pertain to this request (copy attached⁵). Please rely on the prior assessment and the additional information presented here for the evaluation of the ecological risk conclusions for the proposed new uses.

Table 1. Summary use information for spirotetramat, based on BYI 8330 150 OD Insecticide (oil dispersion) (Reg. No. 264-1051) and MOVENTO™ (suspension concentrate) labels (Reg. No. 264-1050). New uses are <u>underlined and shaded gray</u> .						
USE	SINGLE APP. RATE (lbs. a.i./A)	NUMBER OF APPS.	SEASONAL APP. RATE (lb. a.i./A)	INTERVAL BETWEEN APPS. (days)	APP. METHOD	PHI (days)
<u>Cotton</u>	0.08	2	0.16	7	G*, A	21
<u>Soybean</u>	0.08	2	0.16	7	G*, A	21

⁵ Appendices can be found at H:\EFED_Chem_Files\392201\Sec 3\D345278.

Table 1. Summary use information for spirotetramat, based on BYI 8330 150 OD Insecticide (oil dispersion) (Reg. No. 264-1051) and MOVENTO™ (suspension concentrate) labels (Reg. No. 264-1050). New uses are underlined> and shaded gray.

USE	SINGLE APP. RATE (lbs. a.i./A)	NUMBER OF APPS.	SEASONAL APP. RATE (lb. a.i./A)	INTERVAL BETWEEN APPS. (days)	APP. METHOD	PHI (days)
<u>Tropical Fruits</u> (acerola, atemoya, avocado, birida, black sapote, canistel, cherimoya, custard apple, feijoa, jaboticaba, guava, llama, longan, lychee, mamey sapote, mango, papaya, passionfruit, persimmon, pulasan, rambutan, sapodilla, soursop, Spanish lime, star apple, starfruit, sugar apple, wax jambo, white sapote)	0.16	3	0.4	14	G*, A, Airblast	1
<u>Legume Vegetables</u> (except dry soybean) (succulent shelled pea and bean and dry shelled pea and bean) (including kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, adzuki bean, blackeyed pea, chickpea, pigeon pea, soybean-immature seed)	0.08	2	0.16	7	G*, A, Chemigation	1 edible podded and succ beans and peas; 7 dry shelled beans and peas
Citrus Fruit (Crop Group 10, including calamondin, citrus citron, citrus hybrids like chironja, tangelo and tangor, grapefruit, kumquat, lemon, lime, mandarin or tangelo, sweet and sour orange, pummelo, Satsuma mandarin, and others)	0.16	2	0.32	21	G*, A, Airblast	1
Grape and Small Fruit Vine Climbing Crop Subgroup 13-07F (except Fuzzy kiwifruit/ includes grape, Gooseberry, Maypop, Schisandra berry)	0.12	2	0.2	30	G*, A, Airblast	7
Pome Fruit (Crop Group 11, including apple, crabapple, loquat, mayhaw, pear, oriental pear, quince)	0.14	3	0.4	7	G*, A, Airblast	7
Stone Fruit (Crop Group 12, including apricot, sweet and tart cherry, nectarine, peach, plum-various kinds, plumcot and fresh and <u>dried prune</u>)	0.14	2	0.24	14	G*, A, Airblast	7
Tree Nuts (Crop Group 14 plus <u>pistachio</u> , including almond, bechnut, Brazil nut, butternut, cashew, chestnut, chinquapin, filbert-hazelnut, hickory nut, macadamia nut-bush nut, pecan, pistachio, walnut-black and English)	0.14	3	0.34	14	G*, A, Airblast	7
Hops	0.10	2	0.2	14	G*, A, Airblast	7

Table 1. Summary use information for spirotetramat, based on BYI 8330 150 OD Insecticide (oil dispersion) (Reg. No. 264-1051) and MOVENTO™ (suspension concentrate) labels (Reg. No. 264-1050). New uses are underlined> and shaded gray.

USE	SINGLE APP. RATE (lbs. a.i./A)	NUMBER OF APPS.	SEASONAL APP. RATE (lb. a.L/A)	INTERVAL BETWEEN APPS. (days)	APP. METHOD	PHI (days)
Christmas Trees	0.16	2	0.32	14	G*, A, Airblast	N/A
Cucurbit Vegetables [Crop Group 9, including chayote, Chinese waxgourd-Chinese preserving melon, citron melon, cucumber, gherkin, gourd-various kinds, <i>Momordica spp.</i> -includes various kinds, muskmelon (various kinds like cantaloupe, casaba, Crenshaw melon, melon, honeydew melon, Persian melon, pineapple melon, snake melon, and others), pumpkin, squash (includes summer type squash like scallop squash, zucchini and others, and winter type squash like acorn squash, calabaza and others), and watermelon (includes hybrids)]	0.08	2	0.16	7	G, A, Chemigation	1
Fruiting Vegetables (Crop Group 8 plus <u>okra</u> including eggplant, groundcherry, okra, pepinos, pepper-various kinds, tomatillo and tomato)	0.08	2	0.16	7	G, A, Chemigation	1
Leafy Vegetables (Crop Group 4 including amaranth-various kinds, arugula-roquette, cardoon, celery, celtuce, chervil, Chinese celery, chrysanthemum, com salad, garden cress, cress-various kinds, dandelion, sorrel dock, endive, Florence fennel, lettuce-head and leaf, orach, parsley, garden and winter purslane, radicchio-red chicory, rhubarb, spinach-various kinds, Swiss chard)	0.08	2	0.16	7	G, A, Chemigation	3
Brassica (Cole) Leafy Vegetables (Crop Group 5 including broccoli raab, Brussels sprouts, cabbage, cauliflower, cavalo broccolo, Chinese broccoli, Chinese cabbage, Chinese mustard cabbage, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, rape greens, tumip greens)	0.08	2	0.16	7	G, A, Chemigation	1
Potato and Other Tuberous and Corm Vegetables (Crop Subgroup 1C including arracacha, arrowroot, artichoke-Chinese and Jerusalem, edible canna, bitter and sweet cassava, chayote-root, chufa, dasheen-taro, ginger, leren, potato, sweetpotato, tanier, turmeric, yam bean, true yam)	0.08	2	0.16	7	G, A, Chemigation	7

Table 2. Estimated exposure concentrations (EECs) of spirotetramat plus degradates of concern (spirotetramat-enol and spirotetramat-ketohydroxy) (ppb) in the water column and the highest resultant RQs for aquatic animals.

Maximum Modeled Exposure Scenario Considered ^a (Crop Scenario; Max. Annual App. Rate; # Apps; App Int.)	Peak EEC	21-day EEC	60-day EEC	Highest Acute RQ ^b	Highest Chronic RQ ^c
Proposed New Uses ^d (FL avocado aerial/ 0.12+0.12+0.14/ 3/ 14)	4.89	4.84	4.78	0.0074	0.0089

^a The representative modeled exposure scenario for spray applications of spirotetramat to agricultural crops resulting in the highest EECs. Application rate in lb a.i./A and interval between applications in days.

^b Highest calculated acute RQs are for freshwater invertebrates. Toxicity values are based on studies with midges (*Chironomus riparius*) for freshwater invertebrates (EC₅₀ = 660 µg a.i./L). All RQs from the previous assessment and for the proposed new uses are below the Agency's acute risk (0.5), acute restricted use (0.1), and acute endangered species (0.05) LOCs.

^c Highest calculated chronic RQs are for freshwater fish. Chronic toxicity values are based on studies with fathead minnows (*Pimephales promelas*) for freshwater fish (NOAEC = 534 µg a.i./L). The chronic risk LOC is 1. Therefore, all chronic RQs from the previous assessment and for the proposed new uses are below the Agency's chronic LOC.

^d Includes non-extracted residues in the EECs.

Table 3. Estimated exposure concentrations of spirotetramat plus degradates of concern (spirotetramat-enol and spirotetramat-ketohydroxy) (ppb) in the water column and the highest resultant RQs for aquatic plants.

Maximum Modeled Exposure Scenario Considered ^a (Crop Scenario; Max. Annual App. Rate; # Apps; App Int.)	Peak EEC	Non-endangered		Endangered	
		Non-vascular Plants RQ ^b	Vascular Plants RQ ^b	Non-vascular Plants RQ ^b	Vascular Plants RQ ^b
Currently Registered Uses (NC apples aerial; 0.4; 3; 7)	11.4	0.0317	0.0025	0.0919	0.0074
Proposed New Uses ^c (FL avocado aerial/ 0.12+0.12+0.14/ 3/ 14)	4.89	0.0136	0.001	0.0394	0.0032

^a The representative modeled exposure scenario for spray applications of spirotetramat to agricultural crops resulting in the highest EECs. Application rate in lb a.i./A and interval between applications in days.

^b Toxicity values are based on studies with duckweed (*Lemna gibba*) for vascular plants (EC₅₀ = 4620 µg a.i./L; NOAEC=1540 µg a.i./L) and marine diatoms (*Skeletonema costatum*) for non-vascular plants (EC₅₀ = 360 µg a.i./L; NOAEC=124 µg a.i./L). EC₅₀ values are used to derive RQs for non-endangered species while NOAEC values are used to determine RQs for endangered species. All of the highest calculated RQs from the previous assessment and for the proposed new uses are below the acute LOC (1) for aquatic plants. Therefore, all RQs for both vascular and non-vascular aquatic plants for all uses are below the Agency's LOCs.

^c Includes non-extracted residues in the EECs.

Table 4. Input parameters and upper-bound estimated environmental concentrations (EECs; in mg/kg-diet) of total spirotetramat (parent + degradates) residues generated for the maximum spirotetramat exposure scenarios considered for the currently registered and the proposed new uses using T-REX v1.3.1.

Max. Single App. Rate (lbs a.i./A)	Min. Interval (Days)	Max. No. Apps. Per Year	Upper-bound EECs in mg/kg-diet			
			Short Grass	Long Grass	Broadleaf Plants, Small Insects	Fruits, Pods, Seeds, Large Insects
Currently Registered Uses						
0.14	7	3	52.44	24.03	29.50	3.28
Proposed New Uses						
0.16	14	3	45.54	20.87	25.62	2.85

Table 5. Estimated environmental concentrations (EECs; in lb a.i./A) of total spirotetramat (parent + degradates) residues on plants following the maximum exposure scenario considered for the currently registered and the proposed new uses using the TerrPlant model. ^a

Application Method; Rate	EECs				
	Runoff to Dry Areas ^b	Runoff to Semi-aquatic Areas ^c	Drift ^d	Total Loading to Dry Areas ^e	Total Loading to Semi-aquatic Areas ^f
Currently Registered Uses					
Aerial Spray Application, Unincorporated; 0.16 lb a.i./A	0.008	0.08	0.008	0.016	0.088
Proposed New Uses					
Aerial Spray Application, Unincorporated; 0.16 lb a.i./A	0.008	0.08	0.008	0.016	0.088

^a EECs are based on the most conservative modeling scenario possible for spirotetramat. Specifically, it was assumed that spirotetramat was not ground incorporated, it was applied at the maximum single application rate with aerial application methods (drift fraction = 0.05), and that the solubility is greater than 100 mg/L (solubility fraction=0.05).

^b Sheet runoff

^c Channelized Runoff

^d For aerial applications the EEC = application rate x 0.05; for ground applications the EEC = application rate x 0.01.

^e EEC = Sheet Runoff + Drift

^f EEC = Channelized Runoff + Drift

Appendix I: List of Endangered Species

Species Listing by State with Use Criteria

No species were excluded

Minimum of 1 Acre.

All Medium Types Reported

Mammal, Marine mml, Bird, Amphibian, Reptile, Fish, Crustacean, Bivalve, Gastropod, Arachnid, Insect, Dicot, Monocot, Ferns, Conif/cycds, Coral, Lichen

cotton - all, soybeans for beans, bean - yard long, beans - dry (PR), beans - dry edible, excluding limas, beans - dry edible, excluding limas (irrigated), beans - green (PR, VI), beans - snap, guar, guar (irrigated), lentils, lentils (irrigated), lima beans - dry, lima beans - dry (irrigated), lima beans - green, mungbeans for beans, mungbeans for beans (irrigated), peas - austrian winter, peas - austrian winter (irrigated), peas - chinese (sugar and snow), peas - dry edible, peas - dry edible (irrigated), peas - dry southern (cowpeas), peas - dry southern (cowpeas) (irrigated), peas - green (excluding southern), peas - green southern (cowpeas) - blackeyed, crowder, etc., pigeon peas (PR), pistachios, okra, avocados, avocados (PR), balsam pear, bananas, bananas (PR), breadfruit, citron (PR), citrus fruit, all, citrus fruit, other, coconuts, fruits - other (PR), fruits and coconuts (PR), gado, grapefruit, grapefruit (PR, VI), guavas, k-early citrus, kiwifruit, kumquats, lemons, lemons and limes, limes, mangoes, mangoes (PR), muskmelons and pepinos, nectarines, oranges - all, oranges - other, oranges - valencia, oranges (PR), papayas, papayas (PR, VI), passion fruit, pineapples, pineapples harvested, pineapples not harvested, plantains (PR, VI), pomegranates, soursops, tangelos, tangerines, taro, temples, yams, plums and prunes

Alabama (91) species:

		<u>Taxa</u>	<u>Critical Habitat</u>
Salamander, Flatwoods (<i>Ambystoma cingulatum</i>)	T	Amphibian	No
Salamander, Red Hills (<i>Phaeognathus hubrichti</i>)	T	Amphibian	No
Plover, Piping (<i>Charadrius melodus</i>)	E	Bird	Yes
Stork, Wood (<i>Mycteria americana</i>)	E	Bird	No
Woodpecker, Red-cockaded (<i>Picooides borealis</i>)	E	Bird	No
Combshell, Southern (=Penitent mussel) (<i>Epioblasma penita</i>)	E	Bivalve	No
Combshell, Upland (<i>Epioblasma metastriata</i>)	E	Bivalve	Yes
Kidneyshell, Triangular (<i>Ptychobranthus greenii</i>)	E	Bivalve	Yes
Mucket, Orangenacre (<i>Lampsilis perovalis</i>)	T	Bivalve	Yes
Mucket, Pink (Pearlymussel) (<i>Lampsilis abrupta</i>)	E	Bivalve	No
Mussel, Acomshell Southern (<i>Epioblasma othcaloogensis</i>)	E	Bivalve	Yes
Mussel, Alabama Moccasinshell (<i>Medionidus acutissimus</i>)	T	Bivalve	Yes
Mussel, Coosa Moccasinshell (<i>Medionidus parvulus</i>)	E	Bivalve	Yes
Mussel, Cumberland Combshell (<i>Epioblasma brevidens</i>)	E	Bivalve	Yes

Mussel, Dark Pigtoe (<i>Pleurobema furvum</i>)	E	Bivalve Freshwater	Yes
Mussel, Fine-lined Pocketbook (<i>Lampsilis altilis</i>)	T	Bivalve Freshwater	Yes
Mussel, Fine-rayed Pigtoe (<i>Fusconaia cuneolus</i>)	E	Bivalve Freshwater	No
Mussel, Flat Pigtoe (=Marshall's Mussel) (<i>Pleurobema marshalli</i>)	E	Bivalve Freshwater	No
Mussel, Heavy Pigtoe (=Judge Tait's Mussel) (<i>Pleurobema taitianum</i>)	E	Bivalve Freshwater	No
Mussel, Heelsplitter Inflated (<i>Potamilus inflatus</i>)	T	Bivalve Freshwater	No
Mussel, Ovate Clubshell (<i>Pleurobema perovalum</i>)	E	Bivalve Freshwater	Yes
Mussel, Ring Pink (=Golf Stick Pearly) (<i>Obovaria relusa</i>)	E	Bivalve Freshwater	No
Mussel, Rough Pigtoe (<i>Pleurobema plenum</i>)	E	Bivalve Freshwater	No
Mussel, Shiny Pigtoe (<i>Fusconaia cor</i>)	E	Bivalve Freshwater	No
Mussel, Shiny-rayed Pocketbook (<i>Lampsilis subangulata</i>)	E	Bivalve Freshwater	No
Mussel, Southern Clubshell (<i>Pleurobema decisum</i>)	E	Bivalve Freshwater	Yes
Mussel, Southern Pigtoe (<i>Pleurobema georgianum</i>)	E	Bivalve Freshwater	Yes
Pearlymussel, Alabama Lamp (<i>Lampsilis virescens</i>)	E	Bivalve Freshwater	No
Pearlymussel, Cracking (<i>Hemistena lata</i>)	E	Bivalve Freshwater	No
Pearlymussel, Cumberland Monkeyface (<i>Quadrula intermedia</i>)	E	Bivalve Freshwater	No
Pearlymussel, Orange-footed (<i>Plethobasus cooperianus</i>)	E	Bivalve Freshwater	No
Pearlymussel, Pale Lilliput (<i>Toxolasma cylindrellus</i>)	E	Bivalve Freshwater	No
Pearlymussel, Turgid-blossom (<i>Epioblasma turgidula</i>)	E	Bivalve Freshwater	No
Pearlymussel, White Wartyback (<i>Plethobasus cicatricosus</i>)	E	Bivalve Freshwater	No
Stirrupshell (<i>Quadrula stapes</i>)	E	Bivalve Freshwater	No
Shrimp, Alabama Cave (<i>Palaemonias alabamiae</i>)	E	Crustacean Freshwater	No
Amphianthus, Little (<i>Amphianthus pusillus</i>)	T	Dicot Freshwater	No
Barbara Buttons, Mohr's (<i>Marshallia mohrii</i>)	T	Dicot Terrestrial	No
Bladderpod, Lyrate (<i>Lesquerella lyrata</i>)	T	Dicot Terrestrial	No
Clover, Leafy Prairie (<i>Dalea foliosa</i>)	E	Dicot Terrestrial	No
Harperella	E	Dicot	No

(<i>Ptilimnium nodosum</i>)		Freshwater	
Leather-flower, Alabama	E	Dicot	No
(<i>Clematis socialis</i>)		Terrestrial	
Leather-flower, Morefield's	E	Dicot	No
(<i>Clematis morefieldii</i>)		Terrestrial	
Pitcher-plant, Alabama Canebrake	E	Dicot	No
(<i>Sarracenia rubra alabamensis</i>)		Terrestrial, Freshwater	
Pitcher-plant, Green	E	Dicot	No
(<i>Sarracenia oreophila</i>)		Terrestrial, Freshwater	
Potato-bean, Price's	T	Dicot	No
(<i>Apios priceana</i>)		Terrestrial	
Fern, Alabama Streak-sorus	T	Ferns	No
(<i>Thelypteris pilosa var. alabamensis</i>)		Terrestrial	
Fern, American hart's-tongue	T	Ferns	No
(<i>Asplenium scolopendrium var. americanum</i>)		Terrestrial	
Quillwort, Louisiana	E	Ferns	No
(<i>Isoetes louisianensis</i>)		Terrestrial, Freshwater	
Cavefish, Alabama	E	Fish	Yes
(<i>Speoplatyrhinus poulsoni</i>)		Freshwater	
Chub, Spottfin	T	Fish	Yes
(<i>Erimonax monachus</i>)		Freshwater	
Darter, Boulder	E	Fish	No
(<i>Etheostoma wapiti</i>)		Freshwater	
Darter, Goldline	T	Fish	No
(<i>Percina aurolineata</i>)		Freshwater	
Darter, Slackwater	T	Fish	Yes
(<i>Etheostoma boschungii</i>)		Freshwater	
Darter, Snail	T	Fish	No
(<i>Percina tanasi</i>)		Freshwater	
Darter, Vermilion	E	Fish	No
(<i>Etheostoma chermockii</i>)		Freshwater	
Darter, Watercress	E	Fish	No
(<i>Etheostoma nuchale</i>)		Freshwater	
Madtom, Yellowfin	T	Fish	Yes
(<i>Noturus flavipinnis</i>)		Freshwater	
Sculpin, Pygmy	T	Fish	No
(<i>Cottus paulus (=pygmaeus)</i>)		Freshwater	
Shiner, Blue	T	Fish	No
(<i>Cyprinella caerulea</i>)		Freshwater	
Shiner, Cahaba	E	Fish	No
(<i>Notropis cahabae</i>)		Freshwater	
Shiner, Palezone	E	Fish	No
(<i>Notropis albizonatus</i>)		Freshwater	
Sturgeon, Alabama	E	Fish	No
(<i>Scaphirhynchus suttkusi</i>)		Freshwater	
Sturgeon, Gulf	T	Fish	Yes
(<i>Acipenser oxyrinchus desotoi</i>)		Freshwater, Saltwater	
Campeloma, Slender	E	Gastropod	No
(<i>Campeloma decampi</i>)		Freshwater	
Elimia, Lacy	T	Gastropod	No
(<i>Elimia crenalella</i>)		Freshwater	
Pebblesnail, Flat	E	Gastropod	No
(<i>Lepyrium showalteri</i>)		Freshwater	

Riversnail, Anthony's (<i>Athearnia anthonyi</i>)	E	Gastropod	No
Rocksnail, Painted (<i>Leptoxis taeniata</i>)	T	Freshwater Gastropod	No
Rocksnail, Plicate (<i>Leptoxis plicata</i>)	E	Freshwater Gastropod	No
Rocksnail, Round (<i>Leptoxis ampla</i>)	T	Freshwater Gastropod	No
Snail, Armored (<i>Pyrgulopsis (=Marstonia) pachyta</i>)	E	Freshwater Gastropod	No
Snail, Lioplax Cylindrical (<i>Lioplax cyclostomaformis</i>)	E	Freshwater Gastropod	No
Snail, Tulotoma (<i>Tulotoma magnifica</i>)	E	Gastropod Terrestrial	No
Bat, Gray (<i>Myotis grisescens</i>)	E	Mammal Terrestrial, Subterraneous	No
Bat, Indiana (<i>Myotis sodalis</i>)	E	Mammal Terrestrial, Subterraneous	Yes
Mouse, Alabama Beach (<i>Peromyscus polionotus ammobates</i>)	E	Mammal Terrestrial, Coastal	Yes
Mouse, Perdido Key Beach (<i>Peromyscus polionotus trissyllepsis</i>)	E	Mammal Coastal	Yes
Whale, Finback (<i>Balaenoptera physalus</i>)	E	Marine mml Saltwater	No
Whale, Humpback (<i>Megaptera novaeangliae</i>)	E	Marine mml Saltwater	No
Grass, Tennessee Yellow-eyed (<i>Xyris tennesseensis</i>)	E	Monocot Terrestrial	No
Trillium, Relict (<i>Trillium reliquum</i>)	E	Monocot Terrestrial	No
Water-plantain, Kral's (<i>Sagittaria secundifolia</i>)	T	Monocot Freshwater	No
Sea turtle, hawksbill (<i>Eretmochelys imbricata</i>)	E	Reptile Saltwater, Coastal	Yes
Sea turtle, Kemp's ridley (<i>Lepidochelys kempii</i>)	E	Reptile Saltwater, Coastal	No
Sea turtle, leatherback (<i>Dermochelys coriacea</i>)	E	Reptile Saltwater, Coastal	Yes
Sea turtle, loggerhead (<i>Caretta caretta</i>)	T	Reptile Saltwater, Coastal	No
Snake, Eastern Indigo (<i>Drymarchon corais couperi</i>)	T	Reptile Terrestrial	Yes
Tortoise, Gopher (<i>Gopherus polyphemus</i>)	T	Reptile Terrestrial	No
Turtle, Alabama Red-bellied (<i>Pseudemys alabamensis</i>)	E	Reptile Terrestrial, Freshwater	No
Turtle, Flattened Musk (<i>Sternotherus depressus</i>)	T	Reptile Terrestrial, Freshwater	No
Arizona (55) species:		Taxa	Critical Habitat
Frog, Chiricahua Leopard (<i>Rana chiricahuensis</i>)	T	Amphibian Terrestrial, Freshwater	No
Salamander, Sonora Tiger (<i>Ambystoma tigrinum stebbinsi</i>)	E	Amphibian Terrestrial, Freshwater, Vernal pool	No

Bobwhite, Masked (<i>Colinus virginianus ridgwayi</i>)	E	Bird	No
Eagle, Bald (<i>Haliaeetus leucocephalus</i>)	T	Bird	No
Falcon, Northern Aplomado (<i>Falco femoralis septentrionalis</i>)	E	Bird	No
Flycatcher, Southwestern Willow (<i>Empidonax traillii exlimus</i>)	E	Bird	Yes
Owl, Mexican Spotted (<i>Strix occidentalis lucida</i>)	T	Bird	Yes
Rail, Yuma Clapper (<i>Rajlus longirostris yumanensis</i>)	E	Bird	No
Blue-star, Kearney's (<i>Amsonia kearneyana</i>)	E	Dicot	No
Cactus, Arizona Hedgehog (<i>Echinocereus triglochidiatus var. arizonicus</i>)	E	Dicot	No
Cactus, Brady Pincushion (<i>Pediocactus bradyi</i>)	E	Dicot	No
Cactus, Cochise Pincushion (<i>Coryphantha robbinsorum</i>)	T	Dicot	No
Cactus, Nichol's Turk's Head (<i>Echinocactus horizontalis var. nicholii</i>)	E	Dicot	No
Cactus, Pima Pineapple (<i>Coryphantha scheeri var. robustispina</i>)	E	Dicot	No
Cactus, Siler Pincushion (<i>Pediocactus (=Echinocactus, =Utahia) silen</i>)	T	Dicot	No
Cliffrose, Arizona (<i>Purshia (=cowania) subinlegra</i>)	E	Dicot	No
Cycladenia, Jones (<i>Cycladenia jonesii (=humilis)</i>)	T	Dicot	No
Fleabane, Zuni (<i>Erigeron rhizomatus</i>)	T	Dicot	No
Groundsel, San Francisco Peaks (<i>Senecio franciscanus</i>)	T	Dicot	Yes
Milk-vetch, Holmgren (<i>Astragalus holmgreniorum</i>)	E	Dicot	No
Milk-vetch, Sentry (<i>Astragalus cremnophylax var. cremnophylax</i>)	E	Dicot	No
Milkweed, Welsh's (<i>Asclepias welshii</i>)	T	Dicot	Yes
Umbel, Huachuca Water (<i>Lilaeopsis schaffneriana var. recurva</i>)	E	Dicot	Yes
Catfish, Yaqui (<i>Ictalurus pricei</i>)	T	Fish	Yes
Chub, Bonytail (<i>Gila elegans</i>)	E	Fish	Yes
Chub, Gila (<i>Gila intermedia</i>)	E	Fish	Yes
Chub, Humpback (<i>Gila cypha</i>)	E	Fish	Yes
Chub, Sonora (<i>Gila ditaenia</i>)	T	Fish	Yes
Chub, Virgin River	E	Fish	Yes

(<i>Gila seminuda (=robusta)</i>)		Freshwater	
Chub, Yaqui	E	Fish	Yes
(<i>Gila purpurea</i>)		Freshwater	
Minnow, Loach	T	Fish	Yes
(<i>Tiaroga cobitis</i>)		Freshwater	
Pupfish, Desert	E	Fish	Yes
(<i>Cyprinodon macularius</i>)		Freshwater	
Shiner, Beautiful	T	Fish	Yes
(<i>Cyprinella formosa</i>)		Freshwater	
Spikedace	T	Fish	Yes
(<i>Meda fulgida</i>)		Freshwater	
Spinedace, Little Colorado	T	Fish	Yes
(<i>Lepidomeda vittata</i>)		Freshwater	
Squawfish, Colorado	E	Fish	Yes
(<i>Ptychocheilus lucius</i>)		Freshwater	
Steelhead	E	Fish	Yes
(<i>Oncorhynchus (=Salmo) mykiss</i>)		Freshwater, Brackish, Saltwater	
Sucker, Razorback	E	Fish	Yes
(<i>Xyrauchen texanus</i>)		Freshwater	
Topminnow, Gila (Yaqui)	E	Fish	No
(<i>Poeciliopsis occidentalis</i>)		Freshwater	
Trout, Apache	T	Fish	No
(<i>Oncorhynchus apache</i>)		Freshwater	
Trout, Gila	E	Fish	No
(<i>Oncorhynchus gilae</i>)		Freshwater	
Woundfin	E	Fish	Yes
(<i>Plagopterus argentissimus</i>)		Freshwater	
Ambersnail, Kanab	E	Gastropod	No
(<i>Oxyloma haydeni kanabensis</i>)		Terrestrial, Freshwater	
Bat, Lesser (=Sanborn's) Long-nosed	E	Mammal	No
(<i>Leptonycteris curasoae yerbabuena</i>)		Terrestrial, Subterraneous	
Ferret, Black-footed	E	Mammal	No
(<i>Mustela nigripes</i>)		Terrestrial	
Jaguar	E	Mammal	No
(<i>Panthera onca</i>)		Terrestrial	
Jaguarundi, Sinaloa	E	Mammal	No
(<i>Herpailurus (=Felis) yagouaroundi tolteca</i>)		Terrestrial	
Ocelot	E	Mammal	No
(<i>Leopardus (=Felis) pardalis</i>)		Terrestrial	
Pronghorn, Sonoran	E	Mammal	No
(<i>Antilocapra americana sonoriensis</i>)		Terrestrial	
Squirrel, Mount Graham Red	E	Mammal	Yes
(<i>Tamiasciurus hudsonicus grahamensis</i>)		Terrestrial	
Vole, Hualapai Mexican	E	Mammal	No
(<i>Microtus mexicanus hualpaiensis</i>)		Terrestrial	
Ladies'-tresses, Canelo Hills	E	Monocot	No
(<i>Spiranthes delitescens</i>)		Terrestrial	
Sedge, Navajo	T	Monocot	Yes
(<i>Carex specuicola</i>)		Terrestrial	
Rattlesnake, New Mexican Ridge-nosed	T	Reptile	Yes
(<i>Crotalus willardi obscurus</i>)		Terrestrial	
Tortoise, Desert	T	Reptile	Yes
(<i>Gopherus agassizii</i>)		Terrestrial	

Arkansas (20) species:		<u>Taxa</u>	<u>Critical Habitat</u>
Tern, Interior (population) Least (<i>Sterna antillarum</i>)	E	Bird Terrestrial	No
Woodpecker, Red-cockaded (<i>Picoides borealis</i>)	E	Bird Terrestrial	No
Fatmucket, Arkansas (<i>Lampsilis powelli</i>)	T	Bivalve Freshwater	No
Mucket, Pink (Pearlymussel) (<i>Lampsilis abrupta</i>)	E	Bivalve Freshwater	No
Mussel, Scaleshell (<i>Leptodea teflodon</i>)	E	Bivalve Freshwater	No
Mussel, Speckled Pocketbook (<i>Lampsilis streckeri</i>)	E	Bivalve Freshwater	No
Pearlymussel, Fat Pocketbook (<i>Potamilus capax</i>)	E	Bivalve Freshwater	No
Rock-pocketbook, Ouachita (=Wheeler's pm) (<i>Arkansia wheeleri</i>)	E	Bivalve Freshwater	No
Crayfish, Cave (<i>Cambarus aculabrum</i>) (<i>Cambarus aculabrum</i>)	E	Crustacean Freshwater	No
Bladderpod, Missouri (<i>Lesquerella filiformis</i>)	T	Dicot Terrestrial	No
Fruit, Earth (=geocarpon) (<i>Geocarpon minimum</i>)	T	Dicot Terrestrial	No
Harperella (<i>Ptilimnium nodosum</i>)	E	Dicot Freshwater	No
Pondberry (<i>Lindera metissifolia</i>)	E	Dicot Terrestrial	No
Cavefish, Ozark (<i>Amblyopsis rosae</i>)	T	Fish Freshwater	No
Darter, Leopard (<i>Percina pantherina</i>)	T	Fish Freshwater	Yes
Sturgeon, Pallid (<i>Scaphirhynchus albus</i>)	E	Fish Freshwater	No
Shagreen, Magazine Mountain (<i>Mesodon magazinensis</i>)	T	Gastropod Terrestrial	No
Beetle, American Burying (<i>Nicrophorus americanus</i>)	E	Insect Terrestrial	No
Bat, Gray (<i>Myotis grisescens</i>)	E	Mammal Terrestrial, Subterraneous	No
Bat, Ozark Big-eared (<i>Corynorhinus (=Plecotus) townsendii ingens</i>)	E	Mammal Terrestrial, Subterraneous	No
California (284) species:		<u>Taxa</u>	<u>Critical Habitat</u>
Frog, California Red-legged (<i>Rana aurora draytonii</i>)	T	Amphibian Terrestrial, Freshwater	Yes
Frog, Mountain Yellow-legged (<i>Rana muscosa</i>)	E	Amphibian Terrestrial, Freshwater	No
Salamander, California Tiger (<i>Ambystoma californiense</i>)	E	Amphibian Terrestrial, Vernal pool	No
Salamander, Desert Slender (<i>Batrachoseps aridus</i>)	E	Amphibian Terrestrial, Freshwater	No
Salamander, Santa Cruz Long-toed (<i>Ambystoma macrodactylum croceum</i>)	E	Amphibian Terrestrial, Freshwater, Vernal pool	No
Toad, Arroyo Southwestern	E	Amphibian	Yes

(<i>Bufo californicus (=microscaphus)</i>)		Terrestrial, Freshwater	
Condor, California	E	Bird	Yes
(<i>Gymnogyps californianus</i>)		Terrestrial	
Flycatcher, Southwestern Willow	E	Bird	Yes
(<i>Empidonax trailii eximius</i>)		Terrestrial	
Gnatcatcher, Coastal California	T	Bird	Yes
(<i>Polioptila californica californica</i>)		Terrestrial	
Murrelet, Marbled	T	Bird	Yes
(<i>Brachyramphus marmoratus</i>)		Terrestrial, Freshwater, Saltwater	
Owl, Northern Spotted	T	Bird	Yes
(<i>Strix occidentalis caurina</i>)		Terrestrial	
Pelican, Brown	E	Bird	No
(<i>Pelecanus occidentalis</i>)		Terrestrial	
Plover, Western Snowy	T	Bird	Yes
(<i>Charadrius alexandrinus nivosus</i>)		Terrestrial	
Rail, California Clapper	E	Bird	No
(<i>Rallus longirostris obsoletus</i>)		Terrestrial	
Rail, Light-footed Clapper	E	Bird	No
(<i>Rallus longirostris levipes</i>)		Terrestrial	
Rail, Yuma Clapper	E	Bird	No
(<i>Rallus longirostris yumanensis</i>)		Terrestrial	
Shrike, San Clemente Loggerhead	E	Bird	No
(<i>Lanius ludovicianus meamsi</i>)		Terrestrial	
Sparrow, San Clemente Sage	T	Bird	No
(<i>Amphispiza belli clementeae</i>)		Terrestrial	
Tern, California Least	E	Bird	No
(<i>Sterna antillarum browni</i>)		Terrestrial	
Vireo, Least Bell's	E	Bird	Yes
(<i>Vireo bellii pusillus</i>)		Terrestrial	
Cypress, Gowen	T	Conifercyds	No
(<i>Cupressus goveniana ssp. goveniana</i>)		Terrestrial	
Cypress, Santa Cruz	E	Conifercyds	No
(<i>Cupressus abramsiana</i>)		Terrestrial	
Crayfish, Shasta	E	Crustacean	No
(<i>Pacifastacus fortis</i>)		Freshwater	
Fairy Shrimp, Conservancy Fairy	E	Crustacean	Yes
(<i>Branchinecta conservatio</i>)		Vernal pool	
Fairy Shrimp, Longhorn	E	Crustacean	Yes
(<i>Branchinecta longianlenna</i>)		Vernal pool	
Fairy Shrimp, Riverside	E	Crustacean	Yes
(<i>Streptocephalus woottoni</i>)		Vernal pool	
Fairy Shrimp, San Diego	E	Crustacean	Yes
(<i>Branchinecta sandiegonensis</i>)		Vernal pool	
Fairy Shrimp, Vernal Pool	T	Crustacean	Yes
(<i>Branchinecta lynchi</i>)		Vernal pool	
Shrimp, California Freshwater	E	Crustacean	No
(<i>Syncaris pacifica</i>)		Freshwater	
Tadpole Shrimp, Vernal Pool	E	Crustacean	Yes
(<i>Lepidurus packardii</i>)		Vernal pool	
Adobe Sunburst, San Joaquin	T	Dicot	No
(<i>Pseudobahia peirsonii</i>)		Terrestrial	
Allocarya, Calistoga	E	Dicot	No
(<i>Plagiobothrys strictus</i>)		Vernal pool	

Ambrosia, San Diego (<i>Ambrosia pumila</i>)	E	Terrestrial	Dicot	No
Baccharis, Encinitas (<i>Baccharis vanessae</i>)	T	Terrestrial	Dicot	No
Barberry, Island (<i>Berberis pinnata ssp. insularis</i>)	E	Terrestrial	Dicot	No
Barberry, Nevin's (<i>Berberis nevinii</i>)	E	Terrestrial	Dicot	No
Bedstraw, El Dorado (<i>Galium californicum ssp. sierrae</i>)	E	Terrestrial	Dicot	No
Bedstraw, Island (<i>Galium buxifolium</i>)	E	Terrestrial	Dicot	No
Bird's-beak, Palmate-bracted (<i>Cordylanthus palmatus</i>)	E	Terrestrial	Dicot	No
Bird's-beak, Pennell's (<i>Cordylanthus tenuis ssp. capillaris</i>)	E	Terrestrial	Dicot	No
Bird's-beak, salt marsh (<i>Cordylanthus maritimus ssp. maritimus</i>)	E	Saltwater	Dicot	No
Bird's-beak, Soft (<i>Cordylanthus mollis ssp. mollis</i>)	E	Brackish, Saltwater	Dicot	No
Bladderpod, San Bernardino Mountains (<i>Lesquerella kingii ssp. bernardina</i>)	E	Terrestrial	Dicot	Yes
Bluecurls, Hidden Lake (<i>Trichostema austromontanum ssp. compactum</i>)	T	Terrestrial	Dicot	No
Broom, San Clemente Island (<i>Lotus dendroideus ssp. traskiae</i>)	E	Terrestrial	Dicot	No
Buckwheat, Cushenbury (<i>Eriogonum ovalifolium var. vineum</i>)	E	Terrestrial	Dicot	Yes
Buckwheat, lone (incl. Irish Hill) (<i>Eriogonum apricum (incl. var. prostratum)</i>)	E	Terrestrial	Dicot	No
Buckwheat, Southern Mountain Wild (<i>Eriogonum kennedyi var. austromontanum</i>)	T	Terrestrial	Dicot	Yes
Bush-mallow, San Clemente Island (<i>Malacothamnus clementinus</i>)	E	Terrestrial	Dicot	No
Bush-mallow, Santa Cruz Island (<i>Majacothamnus fasciculatus var. nesloticus</i>)	E	Terrestrial	Dicot	No
Butterweed, Layne's (<i>Senecio layneae</i>)	T	Terrestrial	Dicot	No
Button-celery, San Diego (<i>Eryngium aristulatum var. parishii</i>)	E	Terrestrial	Dicot	No
Cactus, Bakersfield (<i>Opuntia treleasei</i>)	E	Terrestrial	Dicot	No
Ceanothus, Coyote (<i>Ceanothus ferrisae</i>)	E	Terrestrial	Dicot	No
Ceanothus, Pine Hill (<i>Ceanothus roderickii</i>)	E	Terrestrial	Dicot	No
Ceanothus, Vail Lake (<i>Ceanothus ophiochilus</i>)	T	Terrestrial	Dicot	Yes
Checker-mallow, Keck's (<i>Sidalcea keckii</i>)	E	Terrestrial	Dicot	Yes
Checker-mallow, Kenwood Marsh. (<i>Sidalcea oregana ssp. vatifida</i>)	E	Terrestrial	Dicot	No
Checker-mallow, Pedate	E		Dicot	No

(<i>Sidalcea pedata</i>)		Terrestrial	
Clarkia, Pismo	E	Dicot	No
(<i>Clarkia speciosa</i> ssp. <i>immaculata</i>)		Terrestrial	
Clarkia, Presidio	E	Dicot	No
(<i>Clarkia franciscana</i>)		Terrestrial	
Clarkia, Springville	T	Dicot	No
(<i>Clarkia springvillensis</i>)		Terrestrial	
Clarkia, Vine Hill	E	Dicot	No
(<i>Clarkia imbricata</i>)		Terrestrial	
Clover, Fleshy Owl's	T	Dicot	Yes
(<i>Casilleja campestris</i> ssp. <i>succulenta</i>)		Vernal pool	
Clover, Monterey	E	Dicot	No
(<i>Trifolium lrichocalyx</i>)		Terrestrial	
Clover, Showy Indian	E	Dicot	No
(<i>Trifolium amoenum</i>)		Terrestrial	
Coyote-thistle, Loch Lomond	E	Dicot	No
(<i>Eryngium constancei</i>)		Terrestrial	
Crownbeard, Big-leaved	T	Dicot	No
(<i>Verbesina dissita</i>)		Terrestrial	
Crownscale, San Jacinto Valley	E	Dicot	No
(<i>Atriplex coronata</i> var. <i>notatior</i>)		Terrestrial	
Daisy, Parish's	T	Dicot	Yes
(<i>Erigeron parishii</i>)		Freshwater	
Dudleya, Conejo	T	Dicot	No
(<i>Dudleya abramsii</i> ssp. <i>parva</i>)		Terrestrial	
Dudleya, Marcescent	T	Dicot	No
(<i>Dudleya cymosa</i> ssp. <i>marcescens</i>)		Terrestrial	
Dudleya, Santa Clara Valley	E	Dicot	No
(<i>Dudleya setchellii</i>)		Terrestrial	
Dudleya, Santa Cruz Island	T	Dicot	No
(<i>Dudleya nesollica</i>)		Terrestrial	
Dudleya, Santa Monica Mountains	T	Dicot	No
(<i>Dudleya cymosa</i> ssp. <i>ovalifolia</i>)		Terrestrial	
Dudleya, Verity's	T	Dicot	No
(<i>Dudleya verityi</i>)		Terrestrial	
Dwarf-flax, Marin	T	Dicot	No
(<i>Hesperolinon congestum</i>)		Terrestrial	
Evening-primrose, Antioch Dunes	E	Dicot	Yes
(<i>Oenothera deltoides</i> ssp. <i>howellii</i>)		Terrestrial	
Evening-primrose, San Benito	T	Dicot	No
(<i>Camissonia benilensis</i>)		Terrestrial	
Fiddleneck, Large-flowered	E	Dicot	Yes
(<i>Amsinckia grandiflora</i>)		Terrestrial	
Flannelbush, Mexican	E	Dicot	Yes
(<i>Fremontodendron mexicanum</i>)		Terrestrial	
Flannelbush, Pine Hill	E	Dicot	No
(<i>Fremontodendron californicum</i> ssp. <i>decumbens</i>)		Terrestrial	
Fringepod, Santa Cruz Island	E	Dicot	No
(<i>Thysanocarpus conchulferus</i>)		Terrestrial	
Gilia, Hoffmann's Slender-flowered	E	Dicot	No
(<i>Gilia tenuiflora</i> ssp. <i>hoffmannii</i>)		Terrestrial	
Gilia, Monterey	E	Dicot	No
(<i>Gilia tenuiflora</i> ssp. <i>arenaria</i>)		Terrestrial	

Golden Sunburst, Hartweg's (<i>Pseudobahia bahiifolia</i>)	E		Dicot	No
		Terrestrial		
Goldfields, Burke's (<i>Lasthenia burkei</i>)	E		Dicot	No
		Terrestrial		
Goldfields, Contra Costa (<i>Lasthenia conjugens</i>)	E		Dicot	Yes
		Terrestrial		
Grass, Hairy Orcutt (<i>Orcuttia pilosa</i>)	E		Dicot	Yes
		Vernal pool		
Grass, Sacramento Orcutt (<i>Orcuttia viscida</i>)	E		Dicot	Yes
		Vernal pool		
Grass, Slender Orcutt (<i>Orcuttia tenuis</i>)	T		Dicot	Yes
		Vernal pool		
Jewelflower, California (<i>Cautanthus californicus</i>)	E		Dicot	No
		Terrestrial		
Jewelflower, Tiburon (<i>Streptanthus niger</i>)	E		Dicot	No
		Terrestrial		
Larkspur, Baker's (<i>Delphinium bakeri</i>)	E		Dicot	Yes
		Terrestrial		
Larkspur, San Clemente Island (<i>Delphinium variegatum</i> ssp. <i>kinkiense</i>)	E		Dicot	No
		Terrestrial		
Larkspur, Yellow (<i>Delphinium tuteum</i>)	E		Dicot	Yes
		Terrestrial		
Layia, Beach (<i>Layia carnosa</i>)	E		Dicot	No
		Terrestrial, Coastal		
Lessingia, San Francisco (<i>Lessingia germanorum</i> (=L.g. var. <i>germanorum</i>))	E		Dicot	No
		Terrestrial		
Liveforever, Laguna Beach (<i>Dudleya stolonifera</i>)	T		Dicot	No
		Terrestrial		
Liveforever, Santa Barbara Island (<i>Dudleya traskiae</i>)	E		Dicot	No
		Terrestrial		
Lupine, Clover (<i>Lupinus tidestromii</i>)	E		Dicot	No
		Coastal		
Lupine, Nipomo Mesa (<i>Lupinus nipomensis</i>)	E		Dicot	No
		Coastal		
Malacothrix, Island (<i>Malacothrix squalida</i>)	E		Dicot	No
		Terrestrial		
Malacothrix, Santa Cruz Island (<i>Malacothrix indecora</i>)	E		Dicot	No
		Terrestrial		
Mallow, Kern (<i>Erematche kernensis</i>)	E		Dicot	No
		Terrestrial		
Manzanita, Del Mar (<i>Arcostaphylos glandulosa</i> ssp. <i>crassifolia</i>)	E		Dicot	No
		Terrestrial		
Manzanita, Lone (<i>Arcostaphylos myrtifolia</i>)	T		Dicot	No
		Terrestrial		
Manzanita, Morro (<i>Arcostaphylos morroensis</i>)	T		Dicot	No
		Terrestrial		
Manzanita, Pallid (<i>Arcostaphylos pallida</i>)	T		Dicot	No
		Terrestrial		
Manzanita, Santa Rosa Island (<i>Arcostaphylos confertiflora</i>)	E		Dicot	No
		Terrestrial		
Meadowfoam, Butte County (<i>Limnanthes floccosa</i> ssp. <i>californica</i>)	E		Dicot	Yes
		Vernal pool		
Meadowfoam, Sebastopol	E		Dicot	No

(<i>Limnanthes vinculans</i>)		Terrestrial, Freshwater	
Milk-vetch, Braunton's	E	Dicot	No
(<i>Astragalus brauntonii</i>)		Terrestrial	
Milk-vetch, Clara Hunt's	E	Dicot	No
(<i>Astragalus clarianus</i>)		Terrestrial	
Milk-vetch, Coachella Valley	E	Dicot	Yes
(<i>Astragalus lentiginosus</i> var. <i>coachellae</i>)		Terrestrial	
Milk-vetch, Coastal Dunes	E	Dicot	No
(<i>Astragalus tener</i> var. <i>liti</i>)		Terrestrial	
Milk-vetch, Cushenbury	E	Dicot	Yes
(<i>Astragalus albens</i>)		Terrestrial	
Milk-vetch, Fish Slough	T	Dicot	No
(<i>Astragalus lentiginosus</i> var. <i>piscinensis</i>)		Terrestrial	
Milk-vetch, Lane Mountain	E	Dicot	Yes
(<i>Astragalus jaegerianus</i>)		Terrestrial	
Milk-vetch, Pierson's	T	Dicot	Yes
(<i>Astragalus magdalenae</i> var. <i>peirsonii</i>)		Terrestrial	
Milk-vetch, Triple-ribbed	E	Dicot	No
(<i>Astragalus tricarinatus</i>)		Terrestrial	
Milk-vetch, Ventura Marsh	E	Dicot	Yes
(<i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i>)		Terrestrial, Freshwater	
Mint, Otay Mesa	E	Dicot	No
(<i>Pogogyne nudiuscula</i>)		Terrestrial	
Mint, San Diego Mesa	E	Dicot	No
(<i>Pogogyne abramsii</i>)		Terrestrial	
Monardella, Willowy	E	Dicot	No
(<i>Monardella linoidea</i> ssp. <i>viminea</i>)		Terrestrial	
Morning-glory, Stebbins	E	Dicot	No
(<i>Calystegia stebbinsi</i>)		Terrestrial	
Mountainbalm, Indian Knob	E	Dicot	No
(<i>Enodictyon altissimum</i>)		Terrestrial	
Mountain-mahogany, Catalina Island	E	Dicot	No
(<i>Cercocarpus traskiae</i>)		Terrestrial	
Mustard, Slender-petaled	E	Dicot	No
(<i>Thelypodium stenopetalum</i>)		Terrestrial	
Navarretia, Few-flowered	E	Dicot	No
(<i>Navarretia leucocephala</i> ssp. <i>pauciflora</i>)		Terrestrial, Vernal pool	
Navarretia, Many-flowered	E	Dicot	No
(<i>Navarretia leucocephala</i> ssp. <i>pliantha</i>)		Terrestrial, Vernal pool	
Navarretia, Spreading	T	Dicot	No
(<i>Navarretia fossalis</i>)		Vernal pool	
Oxytheca, Cushenbury	E	Dicot	Yes
(<i>Oxytheca parishii</i> var. <i>goodmaniana</i>)		Terrestrial	
Paintbrush, Ash-grey Indian	T	Dicot	Yes
(<i>Castilleja cinerea</i>)		Terrestrial	
Paintbrush, San Clemente Island Indian	E	Dicot	No
(<i>Castilleja grisea</i>)		Terrestrial	
Paintbrush, Soft-leaved	E	Dicot	No
(<i>Castilleja mollis</i>)		Terrestrial	
Paintbrush, Tiburon	E	Dicot	No
(<i>Castilleja affinis</i> ssp. <i>neglecta</i>)		Terrestrial	
Penny-cress, Kneeland Prairie	E	Dicot	Yes
(<i>Thlaspi californicum</i>)		Terrestrial	

Pentachaeta, Lyon's (<i>Pentachaeta lyonii</i>)	E	Terrestrial	Dicot	No
Pentachaeta, White-rayed (<i>Pentachaeta bellidiflora</i>)	E	Terrestrial	Dicot	No
Phacelia, Island (<i>Phacelia insularis</i> ssp. <i>insularis</i>)	E	Terrestrial	Dicot	No
Phlox, Yreka (<i>Phlox hirsuta</i>)	E	Terrestrial	Dicot	No
Polygonum, Scott's Valley (<i>Polygonum hickmanii</i>)	E	Terrestrial	Dicot	Yes
Potentilla, Hickman's (<i>Potentilla hickmanii</i>)	E	Terrestrial	Dicot	No
Pussypaws, Mariposa (<i>Calyptidium pulchellum</i>)	T	Terrestrial	Dicot	No
Rock-cress, Hoffmann's (<i>Arabis hoffmannii</i>)	E	Terrestrial	Dicot	No
Rock-cress, McDonald's (<i>Arabis mcdonaldiana</i>)	E	Terrestrial	Dicot	No
Rock-cress, Santa Cruz Island (<i>Sibara filifolia</i>)	E	Terrestrial	Dicot	No
Rush-rose, Island (<i>Helianthemum greenei</i>)	T	Terrestrial	Dicot	No
Sandwort, Bear Valley (<i>Arenaria ursina</i>)	T	Terrestrial	Dicot	Yes
Sandwort, Marsh (<i>Arenaria paludicola</i>)	E	Terrestrial, Freshwater	Dicot	No
Sea-blite, California (<i>Suaeda californica</i>)	E	Terrestrial	Dicot	No
Spineflower, Ben Lomond (<i>Chorizanthe pungens</i> var. <i>hartwegiana</i>)	E	Terrestrial	Dicot	No
Spineflower, Howell's (<i>Chorizanthe howellii</i>)	E	Terrestrial	Dicot	No
Spineflower, Monterey (<i>Chorizanthe pungens</i> var. <i>pungens</i>)	T	Terrestrial	Dicot	Yes
Spineflower, Orcutt's (<i>Chorizanthe orcuttiana</i>)	E	Terrestrial	Dicot	No
Spineflower, Robust (<i>Chorizanthe robusta</i> var. <i>robusta</i>)	E	Terrestrial	Dicot	Yes
Spineflower, Scotts Valley (<i>Chorizanthe robusta</i> var. <i>hartwegii</i>)	E	Terrestrial	Dicot	Yes
Spineflower, Slender-horned (<i>Dodecahema leptoceras</i>)	E	Terrestrial	Dicot	No
Spineflower, Sonoma (<i>Chorizanthe valida</i>)	E	Terrestrial	Dicot	No
Spurge, Hoover's (<i>Chamaesyce hooveri</i>)	T	Vernal pool	Dicot	Yes
Stickyseed, Baker's (<i>Blennosperma bakeri</i>)	E	Vernal pool	Dicot	No
Stonecrop, Lake County (<i>Parvisedum tetocarpum</i>)	E	Vernal pool	Dicot	No
Sunflower, San Mateo Woolly (<i>Eriophyllum latilobum</i>)	E	Terrestrial	Dicot	No
Taraxacum, California	E		Dicot	No

(<i>Taraxacum californicum</i>)		Terrestrial	
Tarplant, Gaviota	E	Dicot	Yes
(<i>Deinandra increscens</i> ssp. <i>villosa</i>)		Terrestrial	
Tarplant, Otay	T	Dicot	Yes
(<i>Deinandra (=Hemizonia) conjugens</i>)		Terrestrial	
Tarplant, Santa Cruz	T	Dicot	Yes
(<i>Holocarpha macradenia</i>)		Terrestrial	
Thistle, Chorro creek Bog	E	Dicot	No
(<i>Cirsium fontinale</i> var. <i>obispoense</i>)		Terrestrial, Freshwater	
Thistle, Fountain	E	Dicot	No
(<i>Cirsium fontinale</i> var. <i>fontinale</i>)		Terrestrial	
Thistle, La Graciosa	E	Dicot	Yes
(<i>Cirsium loncholepis</i>)		Freshwater, Brackish, Saltwater,	
Thistle, Suisun	E	Dicot	No
(<i>Cirsium hydrophilum</i> var. <i>hydrophilum</i>)		Terrestrial, Brackish	
Thornmint, San Diego	T	Dicot	No
(<i>Acanthomintha ilicifolia</i>)		Terrestrial	
Thornmint, San Mateo	E	Dicot	No
(<i>Acanthomintha obovata</i> ssp. <i>duttonii</i>)		Terrestrial	
Tuctoria, Green's	E	Dicot	Yes
(<i>Tuctoria-greenii</i>)		Vernal pool	
Vervain, California	T	Dicot	No
(<i>Verbena californica</i>)		Terrestrial	
Wallflower, Ben Lomond	E	Dicot	No
(<i>Erysimum teretifolium</i>)		Terrestrial	
Wallflower, Contra Costa	E	Dicot	Yes
(<i>Erysimum capitatum</i> var. <i>angustatum</i>)		Terrestrial	
Wallflower, Menzie's	E	Dicot	No
(<i>Erysimum menziesii</i>)		Terrestrial	
Watercress, Gabel's	E	Dicot	No
(<i>Rorippa gambellii</i>)		Terrestrial, Freshwater, Brackish	
Woodland-star, San Clemente Island	E	Dicot	No
(<i>Lithophragma maximum</i>)		Terrestrial	
Woolly-star, Santa Ana River	E	Dicot	No
(<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>)		Terrestrial	
Woolly-threads, San Joaquin	E	Dicot	No
(<i>Monolopia (=Lembertia) congdonii</i>)		Terrestrial	
Yerba Santa, Lompoc	E	Dicot	Yes
(<i>Eriodictyon capitatum</i>)		Terrestrial	
Chub, Bonytail	E	Fish	Yes
(<i>Gila elegans</i>)		Freshwater	
Chub, Hutton Tui	T	Fish	No
(<i>Gila bicolor</i> ssp.)		Freshwater	
Chub, Mohave Tui	E	Fish	No
(<i>Gila bicolor mohavensis</i>)		Freshwater	
Chub, Owens Tui	E	Fish	Yes
(<i>Gila bicolor snyderi</i>)		Freshwater	
Goby, Tidewater	E	Fish	Yes
(<i>Eucyclogobius newberryi</i>)		Freshwater	
Pupfish, Desert	E	Fish	Yes
(<i>Cyprinodon macularius</i>)		Freshwater	
Pupfish, Owens	E	Fish	No
(<i>Cyprinodon radiosus</i>)		Freshwater	

Salmon, Chinook (<i>Oncorhynchus (=Salmo) tshawytscha</i>)	ET	Fish	Yes
Salmon, Coho (<i>Oncorhynchus (=Salmo) kisutch</i>)	E	Freshwater, Brackish, Saltwater Fish	No
Smelt, Delta (<i>Hypomesus transpacificus</i>)	T	Freshwater, Brackish Fish	Yes
Squawfish, Colorado (<i>Ptychocheilus lucius</i>)	E	Freshwater Fish	Yes
Steelhead (<i>Oncorhynchus (=Salmo) mykiss</i>)	E	Freshwater, Brackish, Saltwater Fish	Yes
Stickleback, Unarmored Threespine (<i>Gasterosteus aculeatus williamsoni</i>)	E	Freshwater Fish	Yes
Sturgeon, North American green (<i>Acipenser medirostris</i>)	T	Freshwater, Saltwater Fish	No
Sucker, Lost River (<i>Deltistes luxatus</i>)	E	Freshwater Fish	No
Sucker, Modoc (<i>Calostomus microps</i>)	E	Freshwater Fish	Yes
Sucker, Razorback (<i>Xyrauchen texanus</i>)	E	Freshwater Fish	Yes
Sucker, Santa Ana (<i>Catostomus sannaanae</i>)	T	Freshwater Fish	Yes
Sucker, Shortnose (<i>Chasmistes brevirostris</i>)	E	Freshwater Fish	No
Trout, Lahontan Cutthroat (<i>Oncorhynchus clarki henshawi</i>)	T	Freshwater Fish	No
Trout, Little Kern Golden (<i>Oncorhynchus aguabonita whitei</i>)	T	Freshwater Fish	Yes
Trout, Paiute Cutthroat (<i>Oncorhynchus clarki selenis</i>)	T	Freshwater Fish	No
Abalone, White (<i>Haliotis sorenseni</i>)	E	Saltwater Gastropod	No
Snail, Morro Shoulderband (<i>Helminthoglypta walkeriana</i>)	E	Terrestrial Gastropod	Yes
Beetle, Delta Green Ground (<i>Elaphrus viridis</i>)	T	Terrestrial, Vernal pool Insect	Yes
Beetle, Mount Hermon June (<i>Polyphylla barbata</i>)	E	Terrestrial, Subterraneous Insect	No
Beetle, Ohlone Tiger (<i>Cicindela ohlone</i>)	E	Terrestrial Insect	No
Beetle, Valley Elderberry Longhorn (<i>Desmocerus californicus dimorphus</i>)	T	Terrestrial Insect	Yes
Butterfly, Bay Checkerspot (Wright's euphydryas) (<i>Euphydryas editha bayensis</i>)	T	Terrestrial Insect	Yes
Butterfly, Behren's Silverspot (<i>Speyeria zerene behrensi</i>)	E	Terrestrial Insect	No
Butterfly, Callippe Silverspot (<i>Speyeria callippe callippe</i>)	E	Terrestrial Insect	No
Butterfly, El Segundo Blue (<i>Euphilotes battoides allyni</i>)	E	Terrestrial Insect	No
Butterfly, Lange's Metalmark (<i>Apodemia mormo langeri</i>)	E	Terrestrial Insect	No
Butterfly, Lotis Blue	E	Insect	No

(<i>Lycaeides argyrognomon lotis</i>)		Terrestrial	
Butterfly, Mission Blue	E	Insect	No
(<i>Icaricia icarioides missionensis</i>)		Terrestrial	
Butterfly, Myrtle's Silverspot	E	Insect	No
(<i>Speyeria zerene myrtleae</i>)		Terrestrial	
Butterfly, Oregon Silverspot	T	Insect	Yes
(<i>Speyeria zerene hippolyta</i>)		Terrestrial	
Butterfly, Palos Verdes Blue	E	Insect	Yes
(<i>Glaucopsyche lygdamus palosverdesensis</i>)		Terrestrial	
Butterfly, Quino Checkerspot	E	Insect	Yes
(<i>Euphydryas editha quino (=E. e. wrighti)</i>)		Terrestrial	
Butterfly, San Bruno Elfin	E	Insect	No
(<i>Callophrys mossii bayensis</i>)		Terrestrial	
Butterfly, Smith's Blue	E	Insect	No
(<i>Euphilotes enoples smithi</i>)		Terrestrial	
Fly, Delhi Sands Flower-loving	E	Insect	No
(<i>Rhaphiomidas terminatus abdominalis</i>)		Terrestrial	
Grasshopper, Zayante Band-winged	E	Insect	Yes
(<i>Trimerotropis infantilis</i>)		Terrestrial	
Moth, Kern Primrose Sphinx	T	Insect	No
(<i>Euproserpinus euterpe</i>)		Terrestrial	
Skipper, Carson Wandering	E	Insect	No
(<i>Pseudocopaeodes eunus obscurus</i>)		Terrestrial	
Skipper, Laguna Mountain	E	Insect	No
(<i>Pyrgus ruralis lagunae</i>)		Terrestrial	
Fox, San Joaquin Kit	E	Mammal	No
(<i>Vulpes macrotis mulica</i>)		Terrestrial	
Fox, San Miguel Island	E	Mammal	Yes
(<i>Urocyon littoralis littoralis</i>)		Terrestrial	
Fox, Santa Catalina Island	E	Mammal	Yes
(<i>Urocyon littoralis catalinae</i>)		Terrestrial	
Fox, Santa Cruz Island	E	Mammal	Yes
(<i>Urocyon littoralis santacruzae</i>)		Terrestrial	
Fox, Santa Rosa Island	E	Mammal	Yes
(<i>Urocyon littoralis santarosae</i>)		Terrestrial	
Jaguar	E	Mammal	No
(<i>Panthera onca</i>)		Terrestrial	
Kangaroo Rat, Fresno	E	Mammal	Yes
(<i>Dipodomys nitratoides exilis</i>)		Terrestrial	
Kangaroo Rat, Giant	E	Mammal	No
(<i>Dipodomys ingens</i>)		Terrestrial	
Kangaroo Rat, Morro Bay	E	Mammal	Yes
(<i>Dipodomys heermanni morroensis</i>)		Terrestrial	
Kangaroo Rat, San Bernardino Merriam's	E	Mammal	Yes
(<i>Dipodomys merriami parvus</i>)		Terrestrial	
Kangaroo Rat, Stephens'	E	Mammal	No
(<i>Dipodomys stephensi (incl. D. cascus)</i>)		Terrestrial	
Kangaroo Rat, Tipton	E	Mammal	No
(<i>Dipodomys nitratoides nitratoides</i>)		Terrestrial	
Mountain Beaver, Point Arena	E	Mammal	No
(<i>Aplodontia rufa nigra</i>)		Terrestrial, Freshwater	
Mouse, Pacific Pocket	E	Mammal	No
(<i>Perognathus longimembris pacificus</i>)		Terrestrial	

Mouse, Salt Marsh Harvest (<i>Reithrodontomys raviventris</i>)	E	Mammal	No
Rabbit, Riparian Brush (<i>Sylvilagus bachmani riparius</i>)	E	Mammal	No
Sheep, Peninsular Bighorn (<i>Ovis canadensis</i>)	E	Mammal	Yes
Sheep, Sierra Nevada Bighorn (<i>Ovis canadensis californiana</i>)	E	Mammal	No
Shrew, Buena Vista Lake Ornate (<i>Sorex ornatus retictus</i>)	E	Mammal	Yes
Vole, Amargosa (<i>Microtus californicus scirpensis</i>)	E	Mammal	Yes
Woodrat, Riparian (<i>Neotoma fuscipes riparia</i>)	E	Mammal	No
Otter, Southern Sea (<i>Enhydra lutris nereis</i>)	T	Marine mml	No
Seal, Guadalupe Fur (<i>Arctocephalus townsendi</i>)	T	Marine mml	No
Sea-lion, Steller (eastern) (<i>Eumetopias jubatus</i>)	T	Marine mml	Yes
Whale, Finback (<i>Balaenoptera physalus</i>)	E	Marine mml	No
Whale, Humpback (<i>Megaptera novaeangliae</i>)	E	Marine mml	No
Whale, North Pacific right (<i>Eubalaena japonica</i>)	E	Marine mml	Yes
Alopecurus, Sonoma (<i>Alopecurus aequalis</i> var. <i>sonomensis</i>)	E	Monocot	No
Amole, Cammatta Canyon (<i>Chlorogalum purpureum</i> var. <i>reductum</i>)	T	Monocot	Yes
Amole, Purple (<i>Chlorogalum purpureum</i> var. <i>purpureum</i>)	T	Monocot	Yes
Bluegrass, Napa (<i>Poa napensis</i>)	E	Monocot	No
Bluegrass, San Bernardino (<i>Poa atropurpurea</i>)	E	Monocot	No
Brodiaea, Chinese Camp (<i>Brodiaea patida</i>)	T	Monocot	No
Brodiaea, Thread-leaved (<i>Brodiaea filifolia</i>)	T	Monocot	Yes
Grass, California Orcutt (<i>Orcuttia californica</i>)	E	Monocot	No
Grass, Colusa (<i>Neostapfia colusana</i>)	T	Monocot	Yes
Grass, San Joaquin Valley Orcutt (<i>Orcuttia inaequalis</i>)	T	Monocot	Yes
Grass, Solano (<i>Tucloria mucronata</i>)	E	Monocot	Yes
Lily, Pitkin Marsh (<i>Lilium pardalinum</i> ssp. <i>pitkinense</i>)	E	Monocot	No
Lily, Western (<i>Lilium occidentale</i>)	E	Monocot	No
Onion, Munz's	E	Monocot	Yes

(<i>Allium munzii</i>)		Terrestrial	
Piperia, Yadon's (<i>Piperia yadonii</i>)	E	Monocot	Yes
Sedge, White (<i>Carex albida</i>)	E	Monocot	No
Lizard, Blunt-nosed Leopard (<i>Gambelia silus</i>)	E	Terrestrial, Freshwater Reptile	No
Lizard, Coachella Valley Fringe-toed (<i>Uma inornata</i>)	T	Terrestrial Reptile	Yes
Lizard, Island Night (<i>Xantusia riversiana</i>)	T	Terrestrial Reptile	No
Sea turtle, green (<i>Chelonia mydas</i>)	E	Reptile Saltwater	Yes
Sea turtle, leatherback (<i>Demochelys coriacea</i>)	E	Reptile Saltwater, Coastal	Yes
Sea turtle, loggerhead (<i>Caretta caretta</i>)	T	Reptile Saltwater, Coastal	No
Sea turtle, olive ridley (<i>Lepidochelys olivacea</i>)	T	Reptile Saltwater	No
Snake, Giant Garter (<i>Thamnophis gigas</i>)	T	Reptile Terrestrial, Freshwater	No
Snake, San Francisco Garter (<i>Thamnophis sirtalis talaranea</i>)	E	Reptile Terrestrial, Freshwater	No
Tortoise, Desert (<i>Gopherus agassizii</i>)	T	Reptile Terrestrial	Yes
Whipsnake (=Striped Racer), Alameda (<i>Masticophis lateralis euryxanthus</i>)	T	Reptile Terrestrial	Yes
Colorado (20) species:		Taxa	Critical Habitat
Crane, Whooping (<i>Grus americana</i>)	E	Bird Terrestrial, Freshwater	Yes
Owl, Mexican Spotted (<i>Strix occidentalis lucida</i>)	T	Bird Terrestrial	Yes
Beardtongue, Penland (<i>Penstemon penlandii</i>)	E	Dicot Terrestrial	No
Butterfly Plant, Colorado (<i>Gaura neomexicana</i> var. <i>coloradensis</i>)	T	Dicot Terrestrial	Yes
Cactus, Knowlton (<i>Pediocactus knowltonii</i>)	E	Dicot Terrestrial	No
Cactus, Mesa Verde (<i>Sclerocactus mesae-verdae</i>)	T	Dicot Terrestrial	No
Cactus, Uinta Basin Hookless (<i>Sclerocactus glaucus</i>)	T	Dicot Terrestrial	No
Milk-vetch, Mancos (<i>Astragalus humillimus</i>)	E	Dicot Terrestrial	No
Milk-vetch, Osterhout (<i>Astragalus osterhoutii</i>)	E	Dicot Terrestrial	No
Wild-buckwheat, Clay-loving (<i>Eriogonum pelinophilum</i>)	E	Dicot Terrestrial	Yes
Chub, Bonytail (<i>Gila elegans</i>)	E	Fish Freshwater	Yes
Chub, Humpback (<i>Gila cypha</i>)	E	Fish Freshwater	Yes
Squawfish, Colorado	E	Fish	Yes

(<i>Ptychocheilus lucius</i>)		Freshwater	
Sucker, Razorback	E	Fish	Yes
(<i>Xyrauchen texanus</i>)		Freshwater	
Trout, Greenback Cutthroat	T	Fish	No
(<i>Oncorhynchus clarki stomias</i>)		Freshwater	
Butterfly, Uncompahgre Fritillary	E	Insect	No
(<i>Boloria acrocynema</i>)		Terrestrial	
Skipper, Pawnee Montane	T	Insect	No
(<i>Hesperia leonardus montana</i>)		Terrestrial	
Ferret, Black-footed	E	Mammal	No
(<i>Mustela nigripes</i>)		Terrestrial	
Mouse, Preble's Meadow Jumping	T	Mammal	Yes
(<i>Zapus hudsonius preblei</i>)		Terrestrial	
Ladies'-tresses, Ute	T	Monocot	No
(<i>Spiranthes diluvialis</i>)		Terrestrial	
Connecticut	(15) species:	<u>Taxa</u>	<u>Critical Habitat</u>
Plover, Piping	E	Bird	Yes
(<i>Charadrius melodus</i>)		Terrestrial	
Tern, Roseate	E	Bird	No
(<i>Sterna dougallii dougallii</i>)		Terrestrial	
Mussel, Dwarf Wedge	E	Bivalve	No
(<i>Alasmidonta heterodon</i>)		Freshwater	
Gerardia, Sandplain	E	Dicot	No
(<i>Agalinis acula</i>)		Terrestrial	
Sturgeon, Shortnose	E	Fish	No
(<i>Acipenser brevirostrum</i>)		Freshwater, Saltwater	
Beetle, Puritan Tiger	T	Insect	No
(<i>Cicindela puritana</i>)		Terrestrial, Coastal	
Bat, Indiana	E	Mammal	Yes
(<i>Myotis sodalis</i>)		Terrestrial, Subterranean	
Whale, North Atlantic right	E	Marine mml	Yes
(<i>Eubalaena glacialis (incl. australis)</i>)		Saltwater	
Pogonia, Small Whorled	T	Monocot	No
(<i>Isotria medeoloides</i>)		Terrestrial	
Sea turtle, green	E	Reptile	Yes
(<i>Chelonia mydas</i>)		Saltwater	
Sea turtle, hawksbill	E	Reptile	Yes
(<i>Eretmochelys imbricata</i>)		Saltwater, Coastal	
Sea turtle, Kemp's ridley	E	Reptile	No
(<i>Lepidochelys kempii</i>)		Saltwater, Coastal	
Sea turtle, leatherback	E	Reptile	Yes
(<i>Dermochelys coriacea</i>)		Saltwater, Coastal	
Sea turtle, loggerhead	T	Reptile	No
(<i>Caretta caretta</i>)		Saltwater, Coastal	
Turtle, Bog (Northern population)	T	Reptile	No
(<i>Clemmys muhlenbergii</i>)		Terrestrial, Freshwater	
Delaware	(14) species:	<u>Taxa</u>	<u>Critical Habitat</u>
Plover, Piping	E	Bird	Yes
(<i>Charadrius melodus</i>)		Terrestrial	
Sturgeon, Shortnose	E	Fish	No
(<i>Acipenser brevirostrum</i>)		Freshwaier, Saltwater	
Squirrei, Delmarva Peninsula Fox	E	Mammal	No
(<i>Sciurus niger cinereus</i>)		Terrestrial	

Whale, Finback (<i>Balaenoptera physalus</i>)	E	Marine mml Saltwater	No
Whale, Humpback (<i>Megaptera novaeangliae</i>)	E	Marine mml Saltwater	No
Whale, North Atlantic right (<i>Eubalaena glacialis (incl. australis)</i>)	E	Marine mml Saltwater	Yes
Pink, Swamp (<i>Heionias bullata</i>)	T	Monocot Terrestrial, Freshwater	No
Pogonia, Small Whorled (<i>Isolria medeoloides</i>)	T	Monocot Terrestrial	No
Sea turtle, green (<i>Chebonia mydas</i>)	E	Reptile Saltwater	Yes
Sea turtle, hawksbill (<i>Eretmochelys imbricata</i>)	E	Reptile Saltwater, Coastal	Yes
Sea turtle, Kemp's ridley (<i>Lepidochelys kempi</i>)	E	Reptile Saltwater, Coastal	No
Sea turtle, leatherback (<i>Dermochelys coriacea</i>)	E	Reptile Saltwater, Coastal	Yes
Sea turtle, loggerhead (<i>Caretta caretta</i>)	T	Reptile Saltwater, Coastal	No
Turtle, Bog (Northern population) (<i>Clemmys muhlenbergii</i>)	T	Reptile Terrestrial, Freshwater	No
Florida (104) species:		Taxa	Critical Habitat
Salamander, Flatwoods (<i>Ambystoma cingulatum</i>)	T	Amphibian Terrestrial, Freshwater, Vernal pool	No
Caracara, Audubon's Crested (<i>Polyborus plancus audubonii</i>)	T	Bird Terrestrial	No
Kite, Everglade Snail (<i>Rostrhamus sociabilis plumbeus</i>)	E	Bird Terrestrial	Yes
Plover, Piping (<i>Charadrius melodus</i>)	E	Bird Terrestrial	Yes
Scrub-Jay, Florida (<i>Aphelocoma coerulescens</i>)	T	Bird Terrestrial	No
Sparrow, Cape Sable Seaside (<i>Ammodramus maritimus mirabilis</i>)	E	Bird Terrestrial	Yes
Sparrow, Florida Grasshopper (<i>Ammodramus savannarum floridanus</i>)	E	Bird Terrestrial	No
Stork, Wood (<i>Mycteria americana</i>)	E	Bird Terrestrial	No
Tern, Roseate (<i>Sterna dougallii dougallii</i>)	E	Bird Terrestrial	No
Woodpecker, Red-cockaded (<i>Picoides borealis</i>)	E	Bird Terrestrial	No
Bankclimber, Purple (<i>Elliotoideus sloalianus</i>)	T	Bivalve Freshwater	No
Mussel, Fat Threeridge (<i>Amblema neisterii</i>)	E	Bivalve Freshwater	No
Mussel, Gulf Moccasinshell (<i>Medionidus penicillatus</i>)	E	Bivalve Freshwater	No
Mussel, Ochlockonee Moccasinshell (<i>Medionidus simpsonianus</i>)	E	Bivalve Freshwater	No
Mussel, Oval Pigtoe (<i>Pleurobema pyniforme</i>)	E	Bivalve Freshwater	No

Mussel, Shiny-rayed Pocketbook (<i>Lampsilis subangulata</i>)	E	Bivalve Freshwater	No
Slabshell, Chipola (<i>Elliptio chipolaensis</i>)	T	Bivalve Freshwater	No
Torreyia, Florida (<i>Torreyia taxifolia</i>)	E	Conifercycds Terrestrial	No
Coral, Staghorn (<i>Acropora cervicornis</i>)	T	Coral Saltwater	No
Shrimp, Squirrel Chimney Cave (<i>Palaemonetes cummingsi</i>)	T	Crustacean Freshwater, Subterraneous	No
Aster, Florida Golden (<i>Chrysopsis floridana</i>)	E	Dicot Terrestrial	No
Bellflower, Brooksville (<i>Campanula robinsiae</i>)	E	Dicot Terrestrial	No
Birds-in-a-nest, White (<i>Mecbridea alba</i>)	T	Dicot Terrestrial	No
Blazing Star, Scrub (<i>Liatris ohlingerae</i>)	E	Dicot Terrestrial	No
Bonamia, Florida (<i>Bonamia grandiflora</i>)	T	Dicot Terrestrial	No
Buckwheat, Scrub (<i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i>)	T	Dicot Terrestrial	No
Butterwort, Godfrey's (<i>Pinguicula ionantha</i>)	T	Dicot Terrestrial, Freshwater	No
Cactus, Key Tree (<i>Pilosocereus robinii</i>)	E	Dicot Terrestrial	No
Campion, Fringed (<i>Silene polypetala</i>)	E	Dicot Terrestrial	No
Chaffseed, American (<i>Schwalbea americana</i>)	E	Dicot Terrestrial	No
Fringe Tree, Pygmy (<i>Chionanthus pygmaeus</i>)	E	Dicot Terrestrial	No
Gooseberry, Miccosukee (<i>Ribes echinellum</i>)	T	Dicot Terrestrial	No
Gourd, Okeechobee (<i>Cucurbita okeechobeensis</i> ssp. <i>okeechobeensis</i>)	E	Dicot Terrestrial	No
Harebells, Avon Park (<i>Crotalaria avonensis</i>)	E	Dicot Terrestrial	No
Hypericum, Highlands Scrub (<i>Hypericum cumulicola</i>)	E	Dicot Terrestrial	No
Jacquemontia, Beach (<i>Jacquemontia reclinata</i>)	E	Dicot Terrestrial, Coastal	No
Lupine, Scrub (<i>Lupinus aridorum</i>)	E	Dicot Terrestrial	No
Meadowrue, Cooley's (<i>Thalictrum cooleyi</i>)	E	Dicot Terrestrial	No
Milkpea, Small's (<i>Galactia smallii</i>)	E	Dicot Terrestrial	No
Mint, Garrett's (<i>Dicerandra chrismanii</i>)	E	Dicot Terrestrial	No
Mint, Lake's (<i>Dicerandra immaculata</i>)	E	Dicot Terrestrial	No
Mint, Longspurred	E	Dicot	No

(<i>Dicerandra comutissima</i>)		Terrestrial		
Mint, Scrub	E		Dicot	No
(<i>Dicerandra frutescens</i>)		Terrestrial		
Mustard, Carter's	E		Dicot	No
(<i>Warea carteri</i>)		Terrestrial		
Pawpaw, Beautiful	E		Dicot	No
(<i>Deeringothamnus pulchellus</i>)		Terrestrial		
Pawpaw, Four-petal	E		Dicot	No
(<i>Asimina tetramera</i>)		Terrestrial		
Pawpaw, Ruge's	E		Dicot	No
(<i>Deeringothamnus rugelii</i>)		Terrestrial		
Pinkroot, Gentian	E		Dicot	No
(<i>Spigelia gentianoides</i>)		Terrestrial		
Plum, Scrub	E		Dicot	No
(<i>Prunus geniculata</i>)		Terrestrial		
Polygala, Lewton's	E		Dicot	No
(<i>Polygala lewtonii</i>)		Terrestrial		
Polygala, Tiny	E		Dicot	No
(<i>Polygala smallii</i>)		Terrestrial		
Prickly-apple, Fragrant	E		Dicot	No
(<i>Cereus eriophorus var. fragrans</i>)		Terrestrial		
Rhododendron, Chapman	E		Dicot	No
(<i>Rhododendron chapmanii</i>)		Terrestrial		
Rosemary, Etonia	E		Dicot	No
(<i>Conradina etonia</i>)		Terrestrial		
Rosemary, Short-leaved	E		Dicot	No
(<i>Conradina brevifolia</i>)		Terrestrial		
Sandlance	E		Dicot	No
(<i>Polygonella myriophylla</i>)		Terrestrial		
Snakeroot	E		Dicot	No
(<i>Eryngium cuneifolium</i>)		Terrestrial		
Spurge, Deltoide	E		Dicot	No
(<i>Chamaesyce deltoidea ssp. deltoidea</i>)		Terrestrial		
Spurge, Garber's	T		Dicot	No
(<i>Chamaesyce garberi</i>)		Terrestrial		
Spurge, Telephus	T		Dicot	No
(<i>Euphorbia telephoides</i>)		Terrestrial		
Warea, Wide-leaf	E		Dicot	No
(<i>Warea amplexifolia</i>)		Terrestrial		
Water-willow, Cooley's	E		Dicot	No
(<i>Jussiaea cooleyi</i>)		Terrestrial		
Whitlow-wort, Papery	T		Dicot	No
(<i>Paronychia chartacea</i>)		Terrestrial		
Wings, Pigeon	T		Dicot	No
(<i>Clitoria fragrans</i>)		Terrestrial		
Wireweed	E		Dicot	No
(<i>Polygonella basiramia</i>)		Terrestrial		
Ziziphus, Florida	E		Dicot	No
(<i>Ziziphus cetata</i>)		Terrestrial		
Darter, Okaloosa	E		Fish	No
(<i>Etheostoma okaloosae</i>)		Freshwater		
Sawfish, Smalltooth	E		Fish	No
(<i>Pristis peclinata</i>)		Freshwater, Brackish, Saltwater		

Sturgeon, Gulf (<i>Acipenser oxyrinchus desotoi</i>)	T	Fish	Yes
Sturgeon, Shortnose (<i>Acipenser brevirostrum</i>)	E	Freshwater, Saltwater Fish	No
Snail, Stock Island Tree (<i>Orthalicus reses (not incl. nesodryas)</i>)	T	Gastropod Terrestrial	No
Butterfly, Schaus Swallowtail (<i>Heracles aristodemus ponceanus</i>)	E	Insect Terrestrial	No
Cladonia, Florida Perforate (<i>Cladonia perforata</i>)	E	Lichen Terrestrial	No
Bat, Gray (<i>Myotis grisescens</i>)	E	Mammal Terrestrial, Subterraneous	No
Bat, Indiana (<i>Myotis sodalis</i>)	E	Mammal Terrestrial, Subterraneous	Yes
Deer, Key (<i>Odocoileus virginianus cjavium</i>)	E	Mammal Terrestrial	No
Mouse, Anastasia Island Beach (<i>Peromyscus polionotus phasma</i>)	E	Mammal Terrestrial, Coastal	No
Mouse, Choctawhatchee Beach (<i>Peromyscus polionotus allophrys</i>)	E	Mammal Terrestrial, Coastal	Yes
Mouse, Key Largo Cotton (<i>Peromyscus gossypinus allapaticola</i>)	E	Mammal Terrestrial	Yes
Mouse, Perdido Key Beach (<i>Peromyscus polionotus trissyllepsis</i>)	E	Mammal Coastal	Yes
Mouse, Southeastern Beach (<i>Peromyscus polionotus niveiventris</i>)	T	Mammal Terrestrial, Coastal	No
Panther, Florida (<i>Puma (=Felis) concolor coryi</i>)	E	Mammal Terrestrial	No
Rabbit, Lower Keys Marsh (<i>Sylvilagus palustris hefneri</i>)	E	Mammal Terrestrial	No
Rice Rat (=Silver Rice Rat) (<i>Oryzomys palustris natalor</i>)	E	Mammal Terrestrial	Yes
Vole, Florida Salt Marsh (<i>Microtus pennsylvanicus dukecampbelli</i>)	E	Mammal Terrestrial, Brackish	No
Wolf, Red (<i>Canis rufus</i>)	E	Mammal Terrestrial	No
Woodrat, Key Largo (<i>Neotoma floridana smalti</i>)	E	Mammal Terrestrial	No
Manatee, West Indian (<i>Trichechus manatus</i>)	E	Marine mml Saltwater	Yes
Seal, Caribbean Monk (<i>Monachus tropicalis</i>)	E	Marine mml Saltwater, Coastal	No
Whale, Finback (<i>Balaenoptera physalus</i>)	E	Marine mml Saltwater	No
Whale, Humpback (<i>Megaptera novaeangliae</i>)	E	Marine mml Saltwater	No
Whale, North Atlantic right (<i>Eubalaena glacialis (incl. australis)</i>)	E	Marine mml Saltwater	Yes
Beargrass, Britton's (<i>Nolina brittoniana</i>)	E	Monocot Terrestrial	No
Seagrass, Johnson's (<i>Halophila johnsonii</i>)	T	Monocot Saltwater, Coastal	Yes
Crocodile, American	T	Reptile	Yes

(<i>Crocodylus acutus</i>)		Terrestrial, Freshwater	
Sea turtle, green	E	Reptile	Yes
(<i>Chelonia mydas</i>)		Saltwater	
Sea turtle, hawksbill	E	Reptile	Yes
(<i>Eretmochelys imbricata</i>)		Saltwater, Coastal	
Sea turtle, Kemp's ridley	E	Reptile	No
(<i>Lepidochelys kempii</i>)		Saltwater, Coastal	
Sea turtle, leatherback	E	Reptile	Yes
(<i>Dermochelys coriacea</i>)		Saltwater, Coastal	
Sea turtle, loggerhead	T	Reptile	No
(<i>Caretta caretta</i>)		Saltwater, Coastal	
Skink, Blue-tailed Mole	T	Reptile	No
(<i>Eumeces egregius lividus</i>)		Terrestrial	
Skink, Sand	T	Reptile	No
(<i>Neoseps reynoldsi</i>)		Terrestrial	
Snake, Atlantic Salt Marsh	T	Reptile	No
(<i>Nerodia clarkii taeniata</i>)		Terrestrial, Brackish, Saltwater	
Snake, Eastern Indigo	T	Reptile	Yes
(<i>Drymarchon corais couperi</i>)		Terrestrial	
Georgia	(65) species:	Taxa	Critical Habitat
Salamander, Flatwoods	T	Amphibian	No
(<i>Ambystoma cingulatum</i>)		Terrestrial, Freshwater, Vernal pool	
Plover, Piping	E	Bird	Yes
(<i>Charadrius melodus</i>)		Terrestrial	
Stork, Wood	E	Bird	No
(<i>Mycteria americana</i>)		Terrestrial	
Warbler (=Wood), Kirtland's	E	Bird	No
(<i>Dendroica kirtlandii</i>)		Terrestrial	
Woodpecker, Red-cockaded	E	Bird	No
(<i>Picoides borealis</i>)		Terrestrial	
Bankclimber, Purple	T	Bivalve	No
(<i>Ellipioideus stotianus</i>)		Freshwater	
Combshell, Upland	E	Bivalve	Yes
(<i>Epioblasma melastriata</i>)		Freshwater	
Fanshell	E	Bivalve	No
(<i>Cyprogenia stegaria</i>)		Freshwater	
Kidneyshell, Triangular	E	Bivalve	Yes
(<i>Ptychobranthus greenii</i>)		Freshwater	
Mucket, Pink (Pearlymussel)	E	Bivalve	No
(<i>Lampsilis abrupta</i>)		Freshwater	
Mussel, Acornshell Southern	E	Bivalve	Yes
(<i>Epioblasma olhcaloogensis</i>)		Freshwater	
Mussel, Alabama Moccasinshell	T	Bivalve	Yes
(<i>Medionidus acutissimus</i>)		Freshwater	
Mussel, Coosa Moccasinshell	E	Bivalve	Yes
(<i>Medionidus parvulus</i>)		Freshwater	
Mussel, Fat Threeridge	E	Bivalve	No
(<i>Ambleria neisleri</i>)		Freshwater	
Mussel, Fine-lined Pocketbook	T	Bivalve	Yes
(<i>Lampsilis aitifis</i>)		Freshwater	
Mussel, Gulf Moccasinshell	E	Bivalve	No
(<i>Medionidus penicillatus</i>)		Freshwater	
Mussel, Oval Pigtoe	E	Bivalve	No

(<i>Pleurobema pyriforme</i>)		Freshwater	
Mussel, Ovate Clubshell	E	Bivalve	Yes
(<i>Pleurobema perovatium</i>)		Freshwater	
Mussel, Shiny-rayed Pocketbook	E	Bivalve	No
(<i>Lampsilis subangulata</i>)		Freshwater	
Mussel, Southern Clubshell	E	Bivalve	Yes
(<i>Pleurobema decisum</i>)		Freshwater	
Mussel, Southern Pigtoe	E	Bivalve	Yes
(<i>Pleurobema georgianum</i>)		Freshwater	
Torreya, Florida	E	Conif/cyds	No
(<i>Torreya laxifolia</i>)		Terrestrial	
Amphianthus, Little	T	Dicot	No
(<i>Amphianthus pusillus</i>)		Freshwater	
Barbara Buttons, Mohr's	T	Dicot	No
(<i>Marshallia mohrii</i>)		Terrestrial	
Campion, Fringed	E	Dicot	No
(<i>Silene polypetala</i>)		Terrestrial	
Dropwort, Canby's	E	Dicot	No
(<i>Oxypolis canbyi</i>)		Terrestrial, Freshwater	
Pitcher-plant, Green	E	Dicot	No
(<i>Sarracenia oreophila</i>)		Terrestrial, Freshwater	
Pondberry	E	Dicot	No
(<i>Lindera melissifolia</i>)		Terrestrial	
Rattleweed, Hairy	E	Dicot	No
(<i>Baptisia arachnifera</i>)		Terrestrial	
Skullcap, Large-flowered	T	Dicot	No
(<i>Scutellaria montana</i>)		Terrestrial	
Spiraea, Virginia	T	Dicot	No
(<i>Spiraea virginiana</i>)		Terrestrial	
Sumac, Michaux's	E	Dicot	No
(<i>Rhus michauxii</i>)		Terrestrial	
Quillwort, Black-spored	E	Ferns	No
(<i>Isoetes melanospora</i>)		Vernal pool	
Quillwort, Mat-forming	E	Ferns	No
(<i>Isoetes lejeliformans</i>)		Vernal pool	
Chub, Spotfin	T	Fish	Yes
(<i>Erimonax monachus</i>)		Freshwater	
Darter, Amber	E	Fish	Yes
(<i>Percina antesella</i>)		Freshwater	
Darter, Cherokee	T	Fish	No
(<i>Eltheostoma scotti</i>)		Freshwater	
Darter, Etowah	E	Fish	No
(<i>Eltheostoma etowahae</i>)		Freshwater	
Darter, Goldline	T	Fish	No
(<i>Percina aurolineata</i>)		Freshwater	
Darter, Snail	T	Fish	No
(<i>Percina tanasi</i>)		Freshwater	
Logperch, Conasauga	E	Fish	Yes
(<i>Percina jenkinsi</i>)		Freshwater	
Madtom, Yellowfin	T	Fish	Yes
(<i>Noturus flavipinnis</i>)		Freshwater	
Shiner, Blue	T	Fish	No
(<i>Cyprinella caerulea</i>)		Freshwater	

Sturgeon, Gulf (<i>Acipenser oxyrinchus desotoi</i>)	T	Fish	Yes
Sturgeon, Shortnose (<i>Acipenser brevirostrum</i>)	E	Freshwater, Saltwater Fish	No
Beetle, American Burying (<i>Nicrophorus americanus</i>)	E	Insect Terrestrial	No
Bat, Gray (<i>Myotis grisescens</i>)	E	Mammal Terrestrial, Subterranean	No
Bat, Indiana (<i>Myotis sodatis</i>)	E	Mammal Terrestrial, Subterranean	Yes
Bat, Virginia Big-eared (<i>Corynorhinus (=Plecotus) townsendii virginianus</i>)	E	Mammal Terrestrial, Subterranean	Yes
Manatee, West Indian (<i>Trichechus manatus</i>)	E	Marine mml Saltwater	Yes
Whale, Finback (<i>Balaenoptera physalus</i>)	E	Marine mml Saltwater	No
Whale, Humpback (<i>Megaptera novaeangliae</i>)	E	Marine mml Saltwater	No
Whale, North Atlantic right (<i>Eubalaena glacialis (incl. australis)</i>)	E	Marine mml Saltwater	Yes
Grass, Tennessee Yellow-eyed (<i>Xyris tennesseensis</i>)	E	Monocot Terrestrial	No
Pink, Swamp (<i>Helonias buffata</i>)	T	Monocot Terrestrial, Freshwater	No
Pogonia, Small Whorled (<i>Isotria medeoloides</i>)	T	Monocot Terrestrial	No
Trillium, Persistent (<i>Trillium persistens</i>)	E	Monocot Terrestrial	No
Trillium, Relict (<i>Trillium reliquum</i>)	E	Monocot Terrestrial	No
Water-plantain, Kral's (<i>Sagittaria secundifolia</i>)	T	Monocot Freshwater	No
Sea turtle, green (<i>Chelonia mydas</i>)	E	Reptile Saltwater	Yes
Sea turtle, hawksbill (<i>Eretmochelys imbricata</i>)	E	Reptile Saltwater, Coastal	Yes
Sea turtle, Kemp's ridley (<i>Lepidochelys kempii</i>)	E	Reptile Saltwater, Coastal	No
Sea turtle, leatherback (<i>Dermochelys coriacea</i>)	E	Reptile Saltwater, Coastal	Yes
Sea turtle, loggerhead (<i>Caretta caretta</i>)	T	Reptile Saltwater, Coastal	No
Snake, Eastern Indigo (<i>Drymarchon corais couperii</i>)	T	Reptile Terrestrial	Yes
Hawaii (316) species:		Taxa	Critical Habitat
Spider, Kauai Cave Wolf (<i>Adelocosa anops</i>)	E	Arachnid Terrestrial, Subterranean	Yes
'Akepa, Hawaii (<i>Loxops coccineus coccineus</i>)	E	Bird Terrestrial	No
'Akepa, Maui (<i>Loxops coccineus ochraceus</i>)	E	Bird Terrestrial	No
'Akia Loa, Kauai (<i>Hemignathus procerus</i>) (<i>Hemignathus procerus</i>)	E	Bird Terrestrial	No

'Aki'a Polā'au (<i>Hemignathus munroi</i>) (<i>Hemignathus munroi</i>)	E	Bird	No
Albatross, Short-tailed (<i>Phoebastria (=Diomedea) albatrus</i>)	E	Terrestrial, Saltwater	No
Coot, Hawaiian (=Alae keo keo) (<i>Fulica americana alai</i>)	E	Terrestrial	No
Creepers, Hawaii (<i>Oreomystis mana</i>)	E	Terrestrial	No
Creepers, Molokai (Kakawahie) (<i>Paroreomyza flammea</i>)	E	Terrestrial	No
Creepers, Oahu (Alauwahio) (<i>Paroreomyza maculata</i>)	E	Terrestrial	No
Crow, Hawaiian ('Alala) (<i>Corvus hawaiiensis</i>)	E	Terrestrial	No
Duck, Hawaiian (Koloa) (<i>Anas wyvilliana</i>)	E	Terrestrial, Freshwater	No
Duck, Laysan (<i>Anas laysanensis</i>)	E	Terrestrial, Freshwater	No
Elepaio, Oahu (<i>Chasiempis sandwichensis ibidis</i>)	E	Terrestrial	Yes
Finch, Laysan (<i>Telespyza cantans</i>)	E	Terrestrial	No
Finch, Nihoa (<i>Telespyza ultima</i>)	E	Terrestrial	No
Goose, Hawaiian (Nene) (<i>Branta (=Nesochen) sandvicensis</i>)	E	Terrestrial, Freshwater	No
Hawk, Hawaiian (Io) (<i>Buteo solitarius</i>)	E	Terrestrial	No
Honeycreepers, Crested ('Akohekohe) (<i>Palmeria dolei</i>)	E	Terrestrial	No
Millerbird, Nihoa (<i>Acrocephalus familiaris kingi</i>)	E	Terrestrial	No
Moorhen, Hawaiian Common (<i>Gallinula chloropus sandvicensis</i>)	E	Terrestrial	No
Nuku Pu'u (<i>Hemignathus lucidus</i>)	E	Terrestrial	No
'O'o, Kauai (=A'a) (<i>Moho braccatus</i>)	E	Terrestrial	No
'O'u (Honeycreepers) (<i>Psittirostra psittacea</i>)	E	Terrestrial	No
Pailia (<i>Loxioides bailleui</i>)	E	Terrestrial	Yes
Parrotbill, Maui (<i>Pseudonestor xanthophrys</i>)	E	Terrestrial	No
Petrel, Hawaiian Dark-rumped (<i>Pterodroma phaeopygia sandwichensis</i>)	E	Terrestrial	No
Po'ouli (<i>Melamprosops phaeosoma</i>)	E	Terrestrial	No
Shearwater, Newell's Townsend's (<i>Puffinus auricularis newelli</i>)	T	Terrestrial, Saltwater	No
Stilt, Hawaiian (=Ae'o) (<i>Himantopus mexicanus knudseni</i>)	E	Terrestrial	No
Thrush, Large Kauai	E	Bird	No

(<i>Myadestes myadestinus</i>)		Terrestrial	
Thrush, Molokai (Oloma'o)	E	Bird	No
(<i>Myadestes janaiensis rutha</i>)		Terrestrial	
Thrush, Small Kauai (Puaiohi)	E	Bird	No
(<i>Myadestes palmeri</i>)		Terrestrial	
Amphipod, Kauai Cave	E	Crustacean	Yes
(<i>Spelaeorchestia koloana</i>)		Freshwater, Subterraneous	
Abutilon eremitopetalum (ncn)	E	Dicot	Yes
(<i>Abutilon eremitopetalum</i>)		Terrestrial	
Abutilon sandwicense (ncn)	E	Dicot	Yes
(<i>Abutilon sandwicense</i>)		Terrestrial	
Achyranthes mutica (ncn)	E	Dicot	Yes
(<i>Achyranthes mutica</i>)		Terrestrial	
Achyranthes splendens var. rotundata (ncn)	E	Dicot	No
(<i>Achyranthes splendens var. rotundata</i>)		Terrestrial	
A'e (Zanthoxylum dipetalum var. tomentosum)	E	Dicot	Yes
(<i>Zanthoxylum dipetalum var. tomentosum</i>)		Terrestrial	
A'e (Zanthoxylum hawaiiense)	E	Dicot	Yes
(<i>Zanthoxylum hawaiiense</i>)		Terrestrial	
'Aiea (Nothocestrum breviflorum)	E	Dicot	Yes
(<i>Nothocestrum breviflorum</i>)		Terrestrial	
'Aiea (Nothocestrum peltatum)	E	Dicot	Yes
(<i>Nothocestrum peltatum</i>)		Terrestrial	
'Akoko (Chamaesyce celastroides var. kaenana)	E	Dicot	Yes
(<i>Chamaesyce celastroides var. kaenana</i>)		Terrestrial	
'Akoko (Chamaesyce deppeana)	E	Dicot	Yes
(<i>Chamaesyce deppeana</i>)		Terrestrial	
'Akoko (Chamaesyce herbstii)	E	Dicot	Yes
(<i>Chamaesyce herbstii</i>)		Terrestrial	
'Akoko (Chamaesyce kuwaleana)	E	Dicot	Yes
(<i>Chamaesyce kuwaleana</i>)		Terrestrial	
'Akoko (Chamaesyce rockii)	E	Dicot	Yes
(<i>Chamaesyce rockii</i>)		Terrestrial	
'Akoko (Chamaesyce skottsbergii var. skottsbe)	E	Dicot	No
(<i>Chamaesyce skottsbergii var. kalaefoana</i>)		Terrestrial	
'Akoko (Euphorbia haelealeana)	E	Dicot	Yes
(<i>Euphorbia haelealeana</i>)		Terrestrial	
Alani (Melicope adscendens)	E	Dicot	Yes
(<i>Melicope adscendens</i>)		Terrestrial	
Alani (Melicope balloui)	E	Dicot	Yes
(<i>Melicope balloui</i>)		Terrestrial	
Alani (Melicope haupuensis)	E	Dicot	Yes
(<i>Melicope haupuensis</i>)		Terrestrial	
Alani (Melicope knudsenii)	E	Dicot	Yes
(<i>Melicope knudsenii</i>)		Terrestrial	
Alani (Melicope lydgatei)	E	Dicot	Yes
(<i>Melicope lydgatei</i>)		Terrestrial	
Alani (Melicope mucronulata)	E	Dicot	Yes
(<i>Melicope mucronulata</i>)		Terrestrial	
Alani (Melicope munroi)	E	Dicot	No
(<i>Melicope munroi</i>)		Terrestrial	
Alani (Melicope ovalis)	E	Dicot	Yes
(<i>Melicope ovalis</i>)		Terrestrial	

Alani (<i>Melicope pallida</i>) (<i>Melicope pallida</i>)	E		Dicot	Yes
		Terrestrial		
Alani (<i>Melicope quadrangularis</i>) (<i>Melicope quadrangularis</i>)	E		Dicot	No
		Terrestrial		
Alani (<i>Melicope reflexa</i>) (<i>Melicope reflexa</i>)	E		Dicot	Yes
		Terrestrial		
Alani (<i>Melicope saint-johnii</i>) (<i>Melicope saint-johnii</i>)	E		Dicot	Yes
		Terrestrial		
Alani (<i>Melicope zahlbruckneri</i>) (<i>Melicope zahlbruckneri</i>)	E		Dicot	Yes
		Terrestrial		
Alsinidendron obovatum (ncn) (<i>Alsinidendron obovatum</i>)	E		Dicot	Yes
		Terrestrial		
Alsinidendron trinerve (ncn) (<i>Alsinidendron trinerve</i>)	E		Dicot	Yes
		Terrestrial		
Alsinidendron viscosum (ncn) (<i>Alsinidendron viscosum</i>)	E		Dicot	Yes
		Terrestrial		
Amaranthus brownii (ncn) (<i>Amaranthus brownii</i>)	E		Dicot	Yes
		Terrestrial		
'Anaunau (<i>Lepidium arbuscula</i>) (<i>Lepidium arbuscula</i>)	E		Dicot	Yes
		Terrestrial		
'Anunu (<i>Sicyos alba</i>) (<i>Sicyos alba</i>)	E		Dicot	Yes
		Terrestrial		
Aupaka (<i>Isodendron hosakae</i>) (<i>Isodendron hosakae</i>)	E		Dicot	Yes
		Terrestrial		
Aupaka (<i>Isodendron laurifolium</i>) (<i>Isodendron laurifolium</i>)	E		Dicot	Yes
		Terrestrial		
Aupaka (<i>Isodendron longifolium</i>) (<i>Isodendron longifolium</i>)	T		Dicot	Yes
		Terrestrial		
'Awikiwiki (<i>Canavalia molokaiensis</i>) (<i>Canavalia molokaiensis</i>)	E		Dicot	Yes
		Terrestrial		
'Awiwi (<i>Centaureum sebaeoides</i>) (<i>Centaureum sebaeoides</i>)	E		Dicot	Yes
		Terrestrial		
'Awiwi (<i>Hedyotis cookiana</i>) (<i>Hedyotis cookiana</i>)	E		Dicot	Yes
		Terrestrial		
Bonamia menziesii (ncn) (<i>Bonamia menziesii</i>)	E		Dicot	Yes
		Terrestrial		
Chamaesyce Halemanui (ncn) (<i>Chamaesyce halemanui</i>)	E		Dicot	Yes
		Terrestrial		
Cyanea undulata (ncn) (<i>Cyanea undulata</i>)	E		Dicot	Yes
		Terrestrial		
Delissea rhytidisperma (ncn) (<i>Delissea rhytidisperma</i>)	E		Dicot	Yes
		Terrestrial		
Dubautia latifolia (ncn) (<i>Dubautia latifolia</i>)	E		Dicot	Yes
		Terrestrial		
Dubautia pauciflora (ncn) (<i>Dubautia pauciflora</i>)	E		Dicot	Yes
		Terrestrial		
Geranium, Hawaiian Red-flowered (<i>Geranium arboreum</i>)	E		Dicot	Yes
		Terrestrial		
Gouania hillebrandii (ncn) (<i>Gouania hillebrandii</i>)	E		Dicot	Yes
		Terrestrial		
Gouania meyenii (ncn) (<i>Gouania meyenii</i>)	E		Dicot	Yes
		Terrestrial		
Gouania uitifolia (ncn)	E		Dicot	Yes

(<i>Gouania vitifolia</i>)		Terrestrial		
Haha (<i>Cyanea acuminata</i>)	E	Dicot		Yes
(<i>Cyanea acuminata</i>)		Terrestrial		
Haha (<i>Cyanea asarifolia</i>)	E	Dicot		Yes
(<i>Cyanea asarifolia</i>)		Terrestrial		
Haha (<i>Cyanea copelandii</i> ssp. <i>copelandii</i>)	E	Dicot		No
(<i>Cyanea copelandii</i> ssp. <i>copelandii</i>)		Terrestrial		
Haha (<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>)	E	Dicot		Yes
(<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>)		Terrestrial		
Haha (<i>Cyanea Crispa</i>) (=Rollandia <i>crispa</i>)	E	Dicot		Yes
(<i>Cyanea (=Rollandia) crispa</i>)		Terrestrial		
Haha (<i>Cyanea dunbarii</i>)	E	Dicot		Yes
(<i>Cyanea dunbarii</i>)		Terrestrial		
Haha (<i>Cyanea glabra</i>)	E	Dicot		Yes
(<i>Cyanea glabra</i>)		Terrestrial		
Haha (<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>)	E	Dicot		Yes
(<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>)		Terrestrial		
Haha (<i>Cyanea grimesiana</i> ssp. <i>obatae</i>)	E	Dicot		Yes
(<i>Cyanea grimesiana</i> ssp. <i>obatae</i>)		Terrestrial		
Haha (<i>Cyanea hamatiflora</i> ssp. <i>carlsonii</i>)	E	Dicot		Yes
(<i>Cyanea hamatiflora</i> ssp. <i>Carlsonii</i>)		Terrestrial		
Haha (<i>Cyanea hamatiflora</i> ssp. <i>hamatiflora</i>)	E	Dicot		Yes
(<i>Cyanea hamatiflora</i> ssp. <i>hamatiflora</i>)		Terrestrial		
Haha (<i>Cyanea humboldtiana</i>)	E	Dicot		Yes
(<i>Cyanea humboldtiana</i>)		Terrestrial		
Haha (<i>Cyanea koolauensis</i>)	E	Dicot		Yes
(<i>Cyanea koolauensis</i>)		Terrestrial		
Haha (<i>Cyanea longiflora</i>)	E	Dicot		Yes
(<i>Cyanea longiflora</i>)		Terrestrial		
Haha (<i>Cyanea Macrostegia</i> var. <i>gibsonii</i>)	E	Dicot		No
(<i>Cyanea macrostegia</i> ssp. <i>gibsonii</i>)		Terrestrial		
Haha (<i>Cyanea mannii</i>)	E	Dicot		Yes
(<i>Cyanea mannii</i>)		Terrestrial		
Haha (<i>Cyanea mceldowneyi</i>)	E	Dicot		Yes
(<i>Cyanea mceldowneyi</i>)		Terrestrial		
Haha (<i>Cyanea pinnatifida</i>)	E	Dicot		Yes
(<i>Cyanea pinnatifida</i>)		Terrestrial		
Haha (<i>Cyanea platyphylla</i>)	E	Dicot		Yes
(<i>Cyanea platyphylla</i>)		Terrestrial		
Haha (<i>Cyanea procera</i>)	E	Dicot		Yes
(<i>Cyanea procera</i>)		Terrestrial		
Haha (<i>Cyanea recta</i>)	T	Dicot		Yes
(<i>Cyanea recta</i>)		Terrestrial		
Haha (<i>Cyanea remyi</i>)	E	Dicot		Yes
(<i>Cyanea remyi</i>)		Terrestrial		
Haha (<i>Cyanea shipmanii</i>)	E	Dicot		Yes
(<i>Cyanea shipmanii</i>)		Terrestrial		
Haha (<i>Cyanea stictophylla</i>)	E	Dicot		Yes
(<i>Cyanea stictophylla</i>)		Terrestrial		
Haha (<i>Cyanea St-Johnii</i>) (=Rollandia <i>St-Johnii</i>)	E	Dicot		Yes
(<i>Cyanea sf-johnii</i>)		Terrestrial		
Haha (<i>Cyanea superba</i>)	E	Dicot		Yes
(<i>Cyanea superba</i>)		Terrestrial		

Ha'lwale (<i>Cyrtandra crenata</i>) (<i>Cyrtandra crenata</i>)	E	Terrestrial	Dicot	No
Ha'lwale (<i>Cyrtandra dentata</i>) (<i>Cyrtandra dentata</i>)	E	Terrestrial	Dicot	Yes
Ha'lwale (<i>Cyrtandra giffardii</i>) (<i>Cyrtandra giffardii</i>)	E	Terrestrial	Dicot	Yes
Ha'lwale (<i>Cyrtandra limahuliensis</i>) (<i>Cyrtandra limahuliensis</i>)	T	Terrestrial	Dicot	Yes
Ha'lwale (<i>Cyrtandra munroi</i>) (<i>Cyrtandra munroi</i>)	E	Terrestrial	Dicot	Yes
Ha'lwale (<i>Cyrtandra polyantha</i>) (<i>Cyrtandra polyantha</i>)	E	Terrestrial	Dicot	Yes
Ha'lwale (<i>Cyrtandra subumbellata</i>) (<i>Cyrtandra subumbellata</i>)	E	Terrestrial	Dicot	Yes
Ha'lwale (<i>Cyrtandra tintinnabula</i>) (<i>Cyrtandra tintinnabula</i>)	E	Terrestrial	Dicot	Yes
Ha'lwale (<i>Cyrtandra viridiflora</i>) (<i>Cyrtandra viridiflora</i>)	E	Terrestrial	Dicot	Yes
Haplostachys Haplosiachya (ncn) (<i>Haplosiachys haplosiachya</i>)	E	Terrestrial	Dicot	No
Hau Kauhiwi (<i>Hibiscadelphus woodii</i>) (<i>Hibiscadelphus woodii</i>)	E	Terrestrial	Dicot	Yes
Hau Kuahiwi (<i>Hibiscadelphus distans</i>) (<i>Hibiscadelphus distans</i>)	E	Terrestrial	Dicot	No
Heau (<i>Exocarpos luteolus</i>) (<i>Exocarpos luteolus</i>)	E	Terrestrial	Dicot	Yes
Hedyotis degeneri (ncn) (<i>Hedyotis degeneri</i>)	E	Terrestrial	Dicot	Yes
Hedyotis parvula (ncn) (<i>Hedyotis parvula</i>)	E	Terrestrial	Dicot	Yes
Hedyotis St.-Johnii (ncn) (<i>Hedyotis st.-johnii</i>)	E	Terrestrial	Dicot	Yes
Hesperomannia arborescens (ncn) (<i>Hesperomannia arborescens</i>)	E	Terrestrial	Dicot	Yes
Hesperomannia arbuscula (ncn) (<i>Hesperomannia arbuscula</i>)	E	Terrestrial	Dicot	Yes
Hesperomannia lydgatei (ncn) (<i>Hesperomannia lydgatei</i>)	E	Terrestrial	Dicot	Yes
Hibiscus, Clay's (<i>Hibiscus clayi</i>)	E	Terrestrial	Dicot	Yes
Holei (<i>Ochrosia kilaueaensis</i>) (<i>Ochrosia kilaueaensis</i>)	E	Terrestrial	Dicot	No
Iliau (<i>Wilkesia hobbii</i>) (<i>Wilkesia hobbii</i>)	E	Terrestrial	Dicot	Yes
Kamakahala (<i>Labordia cyrtandrae</i>) (<i>Labordia cyrtandrae</i>)	E	Terrestrial	Dicot	Yes
Kamakahala (<i>Labordia lydgatei</i>) (<i>Labordia lydgatei</i>)	E	Terrestrial	Dicot	Yes
Kamakahala (<i>Labordia tinifolia</i> var. <i>lanaiensis</i>) (<i>Labordia tinifolia</i> var. <i>lanaiensis</i>)	E	Terrestrial	Dicot	No
Kamakahala (<i>Labordia tinifolia</i> var. <i>wahiawaensis</i>) (<i>Labordia tinifolia</i> var. <i>wahiawaensis</i>)	E	Terrestrial	Dicot	Yes
Kamakahala (<i>Labordia triflora</i>)	E		Dicot	No

(<i>Labordia triflora</i>)		Terrestrial		
Kanaioa kahoolawensis (ncn) (<i>Kanaioa kahoolawensis</i>)	E	Terrestrial	Dicot	Yes
Kauila (<i>Colubrina oppositifolia</i>) (<i>Colubrina oppositifolia</i>)	E	Terrestrial	Dicot	Yes
Kaulu (<i>Pteralyxia kauaiensis</i>) (<i>Pteralyxia kauaiensis</i>)	E	Terrestrial	Dicot	Yes
Kio'Ele (<i>Hedyotis coriacea</i>) (<i>Hedyotis coriacea</i>)	E	Terrestrial	Dicot	Yes
Kiponapona (<i>Phyllostegia racemosa</i>) (<i>Phyllostegia racemosa</i>)	E	Terrestrial	Dicot	Yes
Koki'o (<i>Kokia drynarioides</i>) (<i>Kokia drynarioides</i>)	E	Terrestrial	Dicot	Yes
Koki'o (<i>Kokia kauaiensis</i>) (<i>Kokia kauaiensis</i>)	E	Terrestrial	Dicot	Yes
Koki'o Ke'oke'o (<i>Hibiscus arnottianus</i> ssp. <i>immaculatus</i>) (<i>Hibiscus arnottianus</i> ssp. <i>immaculatus</i>)	E	Terrestrial	Dicot	Yes
Koki'o Ke'oke'o (<i>Hibiscus waimeae</i> ssp. <i>hannerae</i>) (<i>Hibiscus waimeae</i> ssp. <i>hannerae</i>)	E	Terrestrial	Dicot	Yes
Kolea (<i>Myrsine juddii</i>) (<i>Myrsine juddii</i>)	E	Terrestrial	Dicot	Yes
Kolea (<i>Myrsine linearifolia</i>) (<i>Myrsine linearifolia</i>)	T	Terrestrial	Dicot	Yes
Ko'oko'olau (<i>Bidens micrantha</i> ssp. <i>kalealaha</i>) (<i>Bidens micrantha</i> ssp. <i>kalealaha</i>)	E	Terrestrial	Dicot	Yes
Ko'oko'olau (<i>Bidens wiebkei</i>) (<i>Bidens wiebkei</i>)	E	Terrestrial	Dicot	Yes
Ko'oloa'ula (<i>Abutilon menziesii</i>) (<i>Abutilon menziesii</i>)	E	Terrestrial	Dicot	No
Kopa (<i>Hedyotis schlechtendahlana</i> var. <i>remyi</i>) (<i>Hedyotis schlechtendahlana</i> var. <i>remyi</i>)	E	Terrestrial	Dicot	No
Kuawawaenohu (<i>Alsiniidendron lychnoides</i>) (<i>Alsiniidendron lychnoides</i>)	E	Terrestrial	Dicot	Yes
Kulu'i (<i>Nototrichium humile</i>) (<i>Nototrichium humile</i>)	E	Terrestrial	Dicot	Yes
Laukahi Kuahiwi (<i>Plantago hawaiiensis</i>) (<i>Plantago hawaiiensis</i>)	E	Terrestrial	Dicot	Yes
Laukahi Kuahiwi (<i>Plantago princeps</i>) (<i>Plantago princeps</i>)	E	Terrestrial	Dicot	Yes
Laulihilihi (<i>Schiedea stellarioides</i>) (<i>Schiedea stellarioides</i>)	E	Terrestrial	Dicot	Yes
Lipochaeta venosa (ncn) (<i>Lipochaeta venosa</i>)	E	Terrestrial	Dicot	No
Lobelia monostachya (ncn) (<i>Lobelia monostachya</i>)	E	Terrestrial	Dicot	Yes
Lobelia niihauensis (ncn) (<i>Lobelia niihauensis</i>)	E	Terrestrial	Dicot	Yes
Lobelia oahuensis (ncn) (<i>Lobelia oahuensis</i>)	E	Terrestrial	Dicot	Yes
Lysimachia filifolia (ncn) (<i>Lysimachia filifolia</i>)	E	Terrestrial	Dicot	Yes
Lysimachia lydgatei (ncn) (<i>Lysimachia lydgatei</i>)	E	Terrestrial	Dicot	Yes

Lysimachia maxima (ncn) (<i>Lysimachia maxima</i>)	E	Terrestrial	Dicot	Yes
Mahoe (<i>Alectryon macrococcus</i>) (<i>Alectryon macrococcus</i>)	E	Terrestrial	Dicot	Yes
Makou (<i>Peucedanum sandwicense</i>) (<i>Peucedanum sandwicense</i>)	T	Terrestrial	Dicot	Yes
Ma'o Hau Hele (<i>Hibiscus brackenridgei</i>) (<i>Hibiscus brackenridgei</i>)	E	Terrestrial	Dicot	Yes
Ma'oli'oli (<i>Schiedea apokremnos</i>) (<i>Schiedea apokremnos</i>)	E	Terrestrial	Dicot	Yes
Ma'oli'oli (<i>Schiedea kealiae</i>) (<i>Schiedea kealiae</i>)	E	Terrestrial	Dicot	Yes
Mapele (<i>Cyrtandra cyaneoides</i>) (<i>Cyrtandra cyaneoides</i>)	E	Terrestrial	Dicot	Yes
Mehamehame (<i>Flueggea neowawraea</i>) (<i>Flueggea neowawraea</i>)	E	Terrestrial	Dicot	Yes
Munroidendron racemosum (ncn) (<i>Munroidendron racemosum</i>)	E	Terrestrial	Dicot	Yes
Na'ena'e (<i>Dubautia herbstobatae</i>) (<i>Dubautia herbstobatae</i>)	E	Terrestrial	Dicot	Yes
Na'ena'e (<i>Dubautia plantaginea</i> ssp. <i>humilis</i>) (<i>Dubautia plantaginea</i> ssp. <i>humilis</i>)	E	Terrestrial	Dicot	Yes
Nani Wai'ale'ale (<i>Viola kauaensis</i> var. <i>wahiawaensis</i>) (<i>Viola kauaensis</i> var. <i>wahiawaensis</i>)	E	Terrestrial	Dicot	Yes
Nanu (<i>Gardenia manni</i>) (<i>Gardenia manni</i>)	E	Terrestrial	Dicot	Yes
Na'u (<i>Gardenia brighamii</i>) (<i>Gardenia brighamii</i>)	E	Terrestrial	Dicot	No
Naupaka, Dwarf (<i>Scaevola coriacea</i>) (<i>Scaevola coriacea</i>)	E	Terrestrial	Dicot	No
Nehe (<i>Lipochaeta fauriei</i>) (<i>Lipochaeta fauriei</i>)	E	Terrestrial	Dicot	Yes
Nehe (<i>Lipochaeta kamolensis</i>) (<i>Lipochaeta kamolensis</i>)	E	Terrestrial	Dicot	Yes
Nehe (<i>Lipochaeta lobata</i> var. <i>leptophylla</i>) (<i>Lipochaeta lobata</i> var. <i>leptophylla</i>)	E	Terrestrial	Dicot	Yes
Nehe (<i>Lipochaeta micrantha</i>) (<i>Lipochaeta micrantha</i>)	E	Terrestrial	Dicot	Yes
Nehe (<i>Lipochaeta tenuifolia</i>) (<i>Lipochaeta tenuifolia</i>)	E	Terrestrial	Dicot	Yes
Nehe (<i>Lipochaeta waimeaensis</i>) (<i>Lipochaeta waimeaensis</i>)	E	Terrestrial	Dicot	Yes
Neraudia angulata (ncn) (<i>Neraudia angulata</i>)	E	Terrestrial	Dicot	Yes
Neraudia ovata (ncn) (<i>Neraudia ovata</i>)	E	Terrestrial	Dicot	Yes
Neraudia sericea (ncn) (<i>Neraudia sericea</i>)	E	Terrestrial	Dicot	Yes
Nioi (<i>Eugenia koolauensis</i>) (<i>Eugenia koolauensis</i>)	E	Terrestrial	Dicot	Yes
Nohoanu (<i>Geranium multiflorum</i>) (<i>Geranium multiflorum</i>)	E	Terrestrial	Dicot	Yes
'Oha (<i>Delissea rivularis</i>)	E		Dicot	Yes

			Terrestrial	
'Oha (<i>Delissea subcordata</i>)	E		Dicot	Yes
(<i>Delissea subcordata</i>)			Terrestrial	
'Oha (<i>Delissea undulata</i>)	E		Dicot	Yes
(<i>Delissea undulata</i>)			Terrestrial	
'Oha (<i>Lobelia gaudichaudii koolauensis</i>)	E		Dicot	Yes
(<i>Lobelia gaudichaudii ssp. koolauensis</i>)			Terrestrial	
'Oha Wai (<i>Clermontia drepanomorpha</i>)	E		Dicot	Yes
(<i>Clermontia drepanomorpha</i>)			Terrestrial	
'Oha Wai (<i>Clermontia lindseyana</i>)	E		Dicot	Yes
(<i>Clermontia lindseyana</i>)			Terrestrial	
'Oha Wai (<i>Clermontia oblongifolia ssp. brevipes</i>)	E		Dicot	Yes
(<i>Clermontia oblongifolia ssp. brevipes</i>)			Terrestrial	
'Oha Wai (<i>Clermontia oblongifolia ssp. mauiensis</i>)	E		Dicot	Yes
(<i>Clermontia oblongifolia ssp. mauiensis</i>)			Terrestrial	
'Oha Wai (<i>Clermontia peleana</i>)	E		Dicot	Yes
(<i>Clermontia peleana</i>)			Terrestrial	
'Oha Wai (<i>Clermontia pyrularia</i>)	E		Dicot	Yes
(<i>Clermontia pyrularia</i>)			Terrestrial	
'Oha Wai (<i>Clermontia samuelii</i>)	E		Dicot	Yes
(<i>Clermontia samuelii</i>)			Terrestrial	
'Oha'i (<i>Sesbania tomentosa</i>)	E		Dicot	Yes
(<i>Sesbania tomentosa</i>)			Terrestrial	
'Ohe'ohe (<i>Tetraplasandra gymnocarpa</i>)	E		Dicot	Yes
(<i>Tetraplasandra gymnocarpa</i>)			Terrestrial	
'Olulu (<i>Brighamia insignis</i>)	E		Dicot	Yes
(<i>Brighamia insignis</i>)			Terrestrial	
Opuhe (<i>Urera kaalae</i>)	E		Dicot	Yes
(<i>Urera kaalae</i>)			Terrestrial	
Pamakani (<i>Viola chamissoniana ssp. chamissoniana</i>)	E		Dicot	Yes
(<i>Viola chamissoniana ssp. chamissoniana</i>)			Terrestrial	
Phyllostegia hirsuta (ncn)	E		Dicot	Yes
(<i>Phyllostegia hirsuta</i>)			Terrestrial	
Phyllostegia kaalaensis (ncn)	E		Dicot	Yes
(<i>Phyllostegia kaalaensis</i>)			Terrestrial	
Phyllostegia knudsenii (ncn)	E		Dicot	Yes
(<i>Phyllostegia knudsenii</i>)			Terrestrial	
Phyllostegia mannii (ncn)	E		Dicot	Yes
(<i>Phyllostegia mannii</i>)			Terrestrial	
Phyllostegia mollis (ncn)	E		Dicot	Yes
(<i>Phyllostegia mollis</i>)			Terrestrial	
Phyllostegia parviflora (ncn)	E		Dicot	Yes
(<i>Phyllostegia parviflora</i>)			Terrestrial	
Phyllostegia velutina (ncn)	E		Dicot	Yes
(<i>Phyllostegia velutina</i>)			Terrestrial	
Phyllostegia waimeae (ncn)	E		Dicot	Yes
(<i>Phyllostegia waimeae</i>)			Terrestrial	
Phyllostegia warshaueri (ncn)	E		Dicot	Yes
(<i>Phyllostegia warshaueri</i>)			Terrestrial	
Phyllostegia wawrana (ncn)	E		Dicot	Yes
(<i>Phyllostegia wawrana</i>)			Terrestrial	
Piio (<i>Hedyotis mannii</i>)	E		Dicot	Yes
(<i>Hedyotis mannii</i>)			Terrestrial	

Po'e (<i>Portulaca sclerocarpa</i>) (<i>Portulaca sclerocarpa</i>)	E	Terrestrial	Dicot	Yes
Popolo 'Aiakeakua (<i>Solanum sandwicense</i>) (<i>Solanum sandwicense</i>)	E	Terrestrial	Dicot	Yes
Popolo Ku Mai (<i>Solanum incompletum</i>) (<i>Solanum incompletum</i>)	E	Terrestrial	Dicot	Yes
Pua'ala (<i>Brighamia rockii</i>) (<i>Brighamia rockii</i>)	E	Terrestrial	Dicot	Yes
Remya kauaiensis (ncn) (<i>Remya kauaiensis</i>)	E	Terrestrial	Dicot	Yes
Remya montgomeryi (ncn) (<i>Remya montgomeryi</i>)	E	Terrestrial	Dicot	Yes
Remya, Maui (<i>Remya mauiensis</i>)	E	Terrestrial	Dicot	Yes
Sandalwood, Lanai (= 'Iliahi) (<i>Santalum freycinetianum</i> var. <i>lanaiense</i>)	E	Terrestrial	Dicot	No
Sanicula mariversa (ncn) (<i>Sanicula mariversa</i>)	E	Terrestrial	Dicot	Yes
Sanicula purpurea (ncn) (<i>Sanicula purpurea</i>)	E	Terrestrial	Dicot	Yes
Schiedea haleakalensis (ncn) (<i>Schiedea haleakalensis</i>)	E	Terrestrial	Dicot	Yes
Schiedea helleri (ncn) (<i>Schiedea helleri</i>)	E	Terrestrial	Dicot	Yes
Schiedea hookeri (ncn) (<i>Schiedea hookeri</i>)	E	Terrestrial	Dicot	Yes
Schiedea kaalae (ncn) (<i>Schiedea kaalae</i>)	E	Terrestrial	Dicot	Yes
Schiedea kauaiensis (ncn) (<i>Schiedea kauaiensis</i>)	E	Terrestrial	Dicot	Yes
Schiedea lydgatei (ncn) (<i>Schiedea lydgatei</i>)	E	Terrestrial	Dicot	Yes
Schiedea membranacea (ncn) (<i>Schiedea membranacea</i>)	E	Terrestrial	Dicot	Yes
Schiedea nuttallii (ncn) (<i>Schiedea nuttallii</i>)	E	Terrestrial	Dicot	Yes
Schiedea sarmentosa (ncn) (<i>Schiedea sarmentosa</i>)	E	Terrestrial	Dicot	Yes
Schiedea spergulina var. <i>leiopoda</i> (ncn) (<i>Schiedea spergulina</i> var. <i>leiopoda</i>)	E	Terrestrial	Dicot	Yes
Schiedea spergulina var. <i>spergulina</i> (ncn) (<i>Schiedea spergulina</i> var. <i>spergulina</i>)	T	Terrestrial	Dicot	Yes
Schiedea verticillata (ncn) (<i>Schiedea verticillata</i>)	E	Terrestrial	Dicot	Yes
Schiedea, Diamond Head (<i>Schiedea adamantis</i>) (<i>Schiedea adamantis</i>)	E	Terrestrial	Dicot	No
Silene alexandri (ncn) (<i>Silene alexandri</i>)	E	Terrestrial	Dicot	Yes
Silene hawaiiensis (ncn) (<i>Silene hawaiiensis</i>)	T	Terrestrial	Dicot	Yes
Silene lanceolata (ncn) (<i>Silene lanceolata</i>)	E	Terrestrial	Dicot	Yes
Silene perimanii (ncn)	E	Terrestrial	Dicot	Yes

(<i>Silene perlmantii</i>)		Terrestrial	
Silversword, Haleakala ('Ahinahina)	T	Dicot	Yes
(<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>)		Terrestrial	
Silversword, Ka'u (<i>Argyroxiphium kauense</i>)	E	Dicot	Yes
(<i>Argyroxiphium kauense</i>)		Terrestrial	
Silversword, Mauna Kea ('Ahinahina)	E	Dicot	No
(<i>Argyroxiphium sandwicense</i> ssp. <i>sandwicense</i>)		Terrestrial	
Spermolepis hawaiiensis (ncn)	E	Dicot	Yes
(<i>Spermolepis hawaiiensis</i>)		Terrestrial	
Stenogyne angustifolia (ncn)	E	Dicot	No
(<i>Stenogyne angustifolia</i> var. <i>angustifolia</i>)		Terrestrial	
Stenogyne bifida (ncn)	E	Dicot	Yes
(<i>Stenogyne bifida</i>)		Terrestrial	
Stenogyne campanulata (ncn)	E	Dicot	Yes
(<i>Stenogyne campanulata</i>)		Terrestrial	
Stenogyne kanehoana (ncn)	E	Dicot	Yes
(<i>Stenogyne kanehoana</i>)		Terrestrial	
Tetramolopium arenarium (ncn)	E	Dicot	No
(<i>Tetramolopium arenarium</i>)		Terrestrial	
Tetramolopium capillare (ncn)	E	Dicot	Yes
(<i>Tetramolopium capillare</i>)		Terrestrial	
Tetramolopium filiforme (ncn)	E	Dicot	Yes
(<i>Tetramolopium filiforme</i>)		Terrestrial	
Tetramolopium lepidotum ssp. <i>lepidotum</i> (ncn)	E	Dicot	Yes
(<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i>)		Terrestrial	
Tetramolopium remyi (ncn)	E	Dicot	Yes
(<i>Tetramolopium remyi</i>)		Terrestrial	
Tetramolopium rockii (ncn)	T	Dicot	Yes
(<i>Tetramolopium rockii</i>)		Terrestrial, Coastal	
Trematolobelia singularis (ncn)	E	Dicot	Yes
(<i>Trematolobelia singularis</i>)		Terrestrial	
Uhiuhi (<i>Caesalpinia kawaiiensis</i>)	E	Dicot	No
(<i>Caesalpinia kawaiiensis</i>)		Terrestrial	
Ulihi (<i>Phyllostegia glabra</i> var. <i>lanaiensis</i>)	E	Dicot	No
(<i>Phyllostegia glabra</i> var. <i>lanaiensis</i>)		Terrestrial	
Vetch, Hawaiian (<i>Vicia menziesii</i>)	E	Dicot	No
(<i>Vicia menziesii</i>)		Terrestrial	
Vigna o-wahuensis (ncn)	E	Dicot	Yes
(<i>Vigna o-wahuensis</i>)		Terrestrial	
Viola helenae (ncn)	E	Dicot	Yes
(<i>Viola helenae</i>)		Terrestrial	
Viola lanaiensis (ncn)	E	Dicot	No
(<i>Viola lanaiensis</i>)		Terrestrial	
Viola oahuensis (ncn)	E	Dicot	Yes
(<i>Viola oahuensis</i>)		Terrestrial	
Wahine Noho Kula (<i>Isodendron pyrifolium</i>)	E	Dicot	Yes
(<i>Isodendron pyrifolium</i>)		Terrestrial	
Xylosma crenatum (ncn)	E	Dicot	Yes
(<i>Xylosma crenatum</i>)		Terrestrial	
Asplenium fragile var. <i>insulare</i> (ncn)	E	Ferns	Yes
(<i>Asplenium fragile</i> var. <i>insulare</i>)		Terrestrial	
Diellia erecta (ncn)	E	Ferns	Yes
(<i>Diellia erecta</i>)		Terrestrial	

Diellia falcata (ncn) (<i>Diellia falcata</i>)	E	Ferns Terrestrial	Yes
Diellia pallida (ncn) (<i>Diellia pallida</i>)	E	Ferns Terrestrial	Yes
Diellia unisora (ncn) (<i>Diellia unisora</i>)	E	Ferns Terrestrial	Yes
Diplazium molokaiense (ncn) (<i>Diplazium molokaiense</i>)	E	Ferns Terrestrial	Yes
Fern, Pendant Kihi (<i>Adenophorus periens</i>) (<i>Adenophorus periens</i>)	E	Ferns Terrestrial	Yes
'Ihi'Ihi (<i>Marsilea villosa</i>) (<i>Marsilea villosa</i>)	E	Ferns Terrestrial, Vernal pool	Yes
Pauoa (<i>Ctenitis squamigera</i>) (<i>Ctenitis squamigera</i>)	E	Ferns Terrestrial	Yes
Pteris lidgatei (ncn) (<i>Pteris lidgatei</i>)	E	Ferns Terrestrial	Yes
Wawae'iole (<i>Phlegmariurus</i> (=Huperzia) <i>mannii</i>) (<i>Huperzia mannii</i>)	E	Ferns Terrestrial	Yes
Wawae'iole (<i>Phlegmariurus</i> (=Lycopodium) <i>nutans</i>) (<i>Lycopodium</i> (=Phlegmariurus) <i>nutans</i>)	E	Ferns Terrestrial	Yes
Snail, Newcomb's (<i>Erinna newcombi</i>)	T	Gastropod Freshwater	Yes
Fly, Hawaiian picture-wing (<i>Drosophila neoclaviseifae</i>)	E	Insect Terrestrial	No
Fly, Hawaiian picture-wing (<i>Drosophila heteroneura</i>)	E	Insect Terrestrial	No
Fly, Hawaiian picture-wing (<i>Drosophila tarphytrichia</i>)	E	Insect Terrestrial	No
Fly, Hawaiian picture-wing (<i>Drosophila ochrobasis</i>)	E	Insect Terrestrial	No
Fly, Hawaiian picture-wing (<i>Drosophila musaphilia</i>)	E	Insect Terrestrial	No
Fly, Hawaiian picture-wing (<i>Drosophila mulii</i>)	T	Insect Terrestrial	No
Moth, Blackburn's Sphinx (<i>Manduca blackburni</i>)	E	Insect Terrestrial	Yes
Bat, Hawaiian Hoary (<i>Lasiurus cinereus semotus</i>)	E	Mammal Terrestrial, Subterranean	No
Seal, Hawaiian Monk (<i>Monachus schauinslandi</i>)	E	Marine mmi Saltwater, Coastal	Yes
Whale, Humpback (<i>Megaptera novaeangliae</i>)	E	Marine mmi Saltwater	No
Bluegrass, Hawaiian (<i>Poa sandvicensis</i>)	E	Monocot Terrestrial	Yes
Bluegrass, Mann's (<i>Poa mannii</i>) (<i>Poa mannii</i>)	E	Monocot Terrestrial	Yes
Gahnia Lanaiensis (ncn) (<i>Gahnia lanaiensis</i>)	E	Monocot Terrestrial	No
Grass, Fosberg's Love (<i>Eragrostis fosbergii</i>)	E	Monocot Terrestrial	Yes
Hala Pepe (<i>Pleomele hawaiiensis</i>) (<i>Pleomele hawaiiensis</i>)	E	Monocot Terrestrial	Yes
Hilo ischaemum (<i>Ischaemum byrone</i>)	E	Monocot	Yes

(<i>Ischaemum byrone</i>)		Terrestrial	
Kamanomano (<i>Cenchrus agrimonioides</i>)	E	Monocot	Yes
(<i>Cenchrus agrimonioides</i>)		Terrestrial	
Lau'ehu (<i>Panicum niihauense</i>)	E	Monocot	Yes
(<i>Panicum niihauense</i>)		Terrestrial	
Lo'ulu (<i>Pritchardia affinis</i>)	E	Monocot	No
(<i>Pritchardia affinis</i>)		Terrestrial	
Lo'ulu (<i>Pritchardia kaalae</i>)	E	Monocot	No
(<i>Pritchardia kaalae</i>)		Terrestrial	
Lo'ulu (<i>Pritchardia munroi</i>)	E	Monocot	Yes
(<i>Pritchardia munroi</i>)		Terrestrial	
Lo'ulu (<i>Pritchardia napaliensis</i>)	E	Monocot	No
(<i>Pritchardia napaliensis</i>)		Terrestrial	
Lo'ulu (<i>Pritchardia remota</i>)	E	Monocot	Yes
(<i>Pritchardia remota</i>)		Terrestrial	
Lo'ulu (<i>Pritchardia schattaueri</i>)	E	Monocot	No
(<i>Pritchardia schattaueri</i>)		Terrestrial	
Lo'ulu (<i>Pritchardia viscosa</i>)	E	Monocot	No
(<i>Pritchardia viscosa</i>)		Terrestrial	
Mariscus fauriei (ncn)	E	Monocot	Yes
(<i>Mariscus fauriei</i>)		Terrestrial	
Mariscus pennatiformis (ncn)	E	Monocot	Yes
(<i>Mariscus pennatiformis</i>)		Terrestrial	
Panicgrass, Carter's (<i>Panicum fauriei</i> var. <i>carteri</i>)	E	Monocot	Yes
(<i>Panicum fauriei</i> var. <i>carteri</i>)		Terrestrial	
Platanthera holochila (ncn)	E	Monocot	Yes
(<i>Platanthera holochila</i>)		Terrestrial	
Poa siphonoglossa (ncn)	E	Monocot	Yes
(<i>Poa siphonoglossa</i>)		Terrestrial	
Pu'uka'a (<i>Cyperus trachysanthos</i>)	E	Monocot	Yes
(<i>Cyperus trachysanthos</i>)		Terrestrial	
Wahane (<i>Pritchardia aylmer-robinsonii</i>)	E	Monocot	No
(<i>Pritchardia aylmer-robinsonii</i>)		Terrestrial	
Sea turtle, green	E	Reptile	Yes
(<i>Chelonia mydas</i>)		Saltwater	
Sea turtle, hawksbill	E	Reptile	Yes
(<i>Eretmochelys imbricata</i>)		Saltwater, Coastal	
Sea turtle, leatherback	E	Reptile	Yes
(<i>Dermochelys coriacea</i>)		Saltwater, Coastal	
Sea turtle, loggerhead	T	Reptile	No
(<i>Caretta caretta</i>)		Saltwater, Coastal	
Idaho	(16) species:	Taxa	Critical Habitat
Crane, Whooping	E	Bird	Yes
(<i>Grus americana</i>)		Terrestrial, Freshwater	
Catchfly, Spalding's	T	Dicot	No
(<i>Silene spaldingii</i>)		Terrestrial	
Four-o'clock, Macfarlane's	T	Dicot	No
(<i>Mirabilis macfarlanei</i>)		Terrestrial	
Howellia, Water	T	Dicot	No
(<i>Howellia aquatilis</i>)		Freshwater	
Salmon, Sockeye	E	Fish	No
(<i>Oncorhynchus (=Salmo) nerka</i>)		Freshwater, Brackish, Saltwater	
Steelhead	E	Fish	Yes

(<i>Oncorhynchus (=Salmo) mykiss</i>)		Freshwater, Brackish, Saltwater	
Sturgeon, White	E	Fish	Yes
(<i>Acipenser transmontanus</i>)		Freshwater, Saltwater	
Trout, Bull	T	Fish	Yes
(<i>Salvelinus confluentus</i>)		Freshwater	
Limpet, Banbury Springs	E	Gastropod	No
(<i>Lanx sp.</i>)		Freshwater	
Snail, Bliss Rapids	T	Gastropod	No
(<i>Taylorconcha serpenticola</i>)		Freshwater	
Snail, Snake River Physa	E	Gastropod	No
(<i>Physa natricina</i>)		Terrestrial	
Snail, Utah Valvata	E	Gastropod	No
(<i>Valvata ujahensis</i>)		Terrestrial	
Springsnail, Bruneau Hot	E	Gastropod	No
(<i>Pyrgulopsis bruneauensis</i>)		Freshwater	
Bear, Grizzly	T	Mammal	No
(<i>Ursus arctos horribilis</i>)		Terrestrial	
Caribou, Woodland	E	Mammal	No
(<i>Rangifer tarandus caribou</i>)		Terrestrial	
Squirrel, Northern Idaho Ground	T	Mammal	No
(<i>Spermophilus brunneus brunneus</i>)		Terrestrial	
Illinois	(25) species:	<u>Taxa</u>	<u>Critical Habitat</u>
Plover, Piping	E	Bird	Yes
(<i>Charadrius meiodus</i>)		Terrestrial	
Tern, Interior (population) Least	E	Bird	No
(<i>Sterna antillarum</i>)		Terrestrial	
Fanshell	E	Bivalve	No
(<i>Cyprogenia stegaria</i>)		Freshwater	
Mucket, Pink (Pearlymussel)	E	Bivalve	No
(<i>Lampsilis abrupta</i>)		Freshwater	
Mussel, Clubshell	E	Bivalve	No
(<i>Pteurobema clava</i>)		Freshwater	
Pearlymussel, Fat Pocketbook	E	Bivalve	No
(<i>Potamilus capax</i>)		Freshwater	
Pearlymussel, Higgins' Eye	E	Bivalve	No
(<i>Lampsilis higginsii</i>)		Freshwater	
Pearlymussel, Orange-tooted	E	Bivalve	No
(<i>Plethobasus cooperianus</i>)		Freshwater	
Pearlymussel, White Wartyback	E	Bivalve	No
(<i>Plethobasus cicatricosus</i>)		Freshwater	
Amphipod, Illinois Cave	E	Crustacean	No
(<i>Gammarus acherondytes</i>)		Freshwater, Subterranean	
Aster, Decurrent False	T	Dicot	No
(<i>Boltonia decurrens</i>)		Terrestrial, Freshwater	
Clover, Leafy Prairie	E	Dicot	No
(<i>Dalea foliosa</i>)		Terrestrial	
Clover, Prairie Bush	T	Dicot	No
(<i>Lespedeza leptostachya</i>)		Terrestrial	
Daisy, Lakeside	T	Dicot	No
(<i>Hymenoxys herbacea</i>)		Freshwater	
Milkweed, Mead's	T	Dicot	No
(<i>Asclapias meadii</i>)		Terrestrial	
Potato-bean, Price's	T	Dicot	No

(<i>Apios priceana</i>)		Terrestrial	
Thistle, Pitcher's	T	Dicot	No
(<i>Cirsium pitcheri</i>)		Terrestrial	
Sturgeon, Pallid	E	Fish	No
(<i>Scaphirhynchus albus</i>)		Freshwater	
Snail, Iowa Pleistocene	E	Gastropod	No
(<i>Discus macclintocki</i>)		Terrestrial	
Butterfly, Karner Blue	E	Insect	No
(<i>Lycaeides melissa samuelis</i>)		Terrestrial	
Dragonfly, Hine's Emerald	E	Insect	Yes
(<i>Somatochlora hineana</i>)		Terrestrial, Freshwater	
Bat, Gray	E	Mammal	No
(<i>Myotis grisescens</i>)		Terrestrial, Subterraneous	
Bat, Indiana	E	Mammal	Yes
(<i>Myotis sodalis</i>)		Terrestrial, Subterraneous	
Orchid, Eastern Prairie Fringed	T	Monocot	No
(<i>Platanthera leucophaea</i>)		Terrestrial	
Pogonia, Small Whorled	T	Monocot	No
(<i>Isotria medeoloides</i>)		Terrestrial	
Indiana	(23) species:	Taxa	Critical Habitat
Plover, Piping	E	Bird	Yes
(<i>Charadrius melodus</i>)		Terrestrial	
Tern, Interior (population) Least	E	Bird	No
(<i>Sterna anillarum</i>)		Terrestrial	
Fanshell	E	Bivalve	No
(<i>Cyprogenia stegaria</i>)		Freshwater	
Mucket, Pink (Pearlymussel)	E	Bivalve	No
(<i>Lampsilis abrupta</i>)		Freshwater	
Mussel, Clubshell	E	Bivalve	No
(<i>Pleurobema clava</i>)		Freshwater	
Mussel, Ring Pink (=Golf Stick Pearly)	E	Bivalve	No
(<i>Obovaria retusa</i>)		Freshwater	
Mussel, Rough Pigtoe	E	Bivalve	No
(<i>Pleurobema plenum</i>)		Freshwater	
Pearlymussel, Fat Pocketbook	E	Bivalve	No
(<i>Potamilius capax</i>)		Freshwater	
Pearlymussel, Orange-footed	E	Bivalve	No
(<i>Plethobasus cooperianus</i>)		Freshwater	
Pearlymussel, Tubercled-blossom	E	Bivalve	No
(<i>Epioblasma torulosa torulosa</i>)		Freshwater	
Pearlymussel, White Cat's Paw	E	Bivalve	No
(<i>Epioblasma obliquata perobliqua</i>)		Freshwater	
Pearlymussel, White Wartyback	E	Bivalve	No
(<i>Plethobasus cicatricosus</i>)		Freshwater	
Riffleshell, Northern	E	Bivalve	No
(<i>Epioblasma torulosa rangiana</i>)		Freshwater	
Clover, Running Buffalo	E	Dicot	No
(<i>Trifolium stoloniferum</i>)		Terrestrial	
Goldenrod, Short's	E	Dicot	No
(<i>Sojidago shortii</i>)		Terrestrial	
Milkweed, Mead's	T	Dicot	No
(<i>Asclepias meadii</i>)		Terrestrial	
Thistle, Pitcher's	T	Dicot	No

(<i>Cirsium pilcheri</i>)		Terrestrial	
Butterfly, Karner Blue	E	Insect	No
(<i>Lycaeides melissa samuelis</i>)		Terrestrial	
Butterfly, Mitchell's Satyr	E	Insect	No
(<i>Neonympha mitchellii mitchellii</i>)		Terrestrial, Perm. wetland	
Bat, Gray	E	Mammal	No
(<i>Myotis grisescens</i>)		Terrestrial, Subterraneous	
Bat, Indiana	E	Mammal	Yes
(<i>Myotis sodalis</i>)		Terrestrial, Subterraneous	
Orchid, Eastern Prairie Fringed	T	Monocot	No
(<i>Platanthera leucophaea</i>)		Terrestrial	
Snake, Northern Copperbelly Water	T	Reptile	No
(<i>Nerodia erythrogaster neglecta</i>)		Terrestrial, Freshwater	
Iowa (14) species:		Taxa	Critical Habitat
Plover, Piping	E	Bird	Yes
(<i>Charadrius melodus</i>)		Terrestrial	
Tern, Interior (population) Least	E	Bird	No
(<i>Sterna antillarum</i>)		Terrestrial	
Pearlymussel, Fat Pocketbook	E	Bivalve	No
(<i>Polanius capax</i>)		Freshwater	
Pearlymussel, Higgins' Eye	E	Bivalve	No
(<i>Lampsilis higginsii</i>)		Freshwater	
Clover, Prairie Bush	T	Dicot	No
(<i>Lespedeza leptostachya</i>)		Terrestrial	
Milkweed, Mead's	T	Dicot	No
(<i>Asclepias meadii</i>)		Terrestrial	
Monkshood, Northern Wild	T	Dicot	No
(<i>Aconitum noveboracense</i>)		Terrestrial	
Fern, American hart's-tongue	T	Ferns	No
(<i>Asplenium scolopendrium var. americanum</i>)		Terrestrial	
Shiner, Topeka	E	Fish	Yes
(<i>Notropis topeka (=tristis)</i>)		Freshwater	
Sturgeon, Pallid	E	Fish	No
(<i>Scaphirhynchus albus</i>)		Freshwater	
Snail, Iowa Pleistocene	E	Gastropod	No
(<i>Discus macclintocki</i>)		Terrestrial	
Bat, Indiana	E	Mammal	Yes
(<i>Myotis sodalis</i>)		Terrestrial, Subterraneous	
Orchid, Eastern Prairie Fringed	T	Monocot	No
(<i>Platanthera leucophaea</i>)		Terrestrial	
Orchid, Western Prairie Fringed	T	Monocot	No
(<i>Platanthera praeclara</i>)		Terrestrial	
Kansas (12) species:		Taxa	Critical Habitat
Crane, Whooping	E	Bird	Yes
(<i>Grus americana</i>)		Terrestrial, Freshwater	
Plover, Piping	E	Bird	Yes
(<i>Charadrius melodus</i>)		Terrestrial	
Tem, Interior (population) Least	E	Bird	No
(<i>Sterna antillarum</i>)		Terrestrial	
Milkweed, Mead's	T	Dicot	No
(<i>Asclepias meadii</i>)		Terrestrial	
Madtom, Neosho	T	Fish	No
(<i>Noturus placidus</i>)		Freshwater	

Shiner, Arkansas River (<i>Notropis girardi</i>)	T	Freshwater	Fish	Yes
Shiner, Topeka (<i>Notropis topeka</i> (=tristis))	E	Freshwater	Fish	Yes
Sturgeon, Pallid (<i>Scaphirhynchus albus</i>)	E	Freshwater	Fish	No
Beetle, American Burying (<i>Nicrophorus americanus</i>)	E	Terrestrial	Insect	No
Bat, Gray (<i>Myotis grisescens</i>)	E	Terrestrial, Subterraneous	Mammal	No
Ferret, Black-footed (<i>Mustela nigripes</i>)	E	Terrestrial	Mammal	No
Orchid, Western Prairie Fringed (<i>Ptatanthera praeclara</i>)	T	Terrestrial	Monocot	No
Kentucky (49) species:			Taxa	Critical Habitat
Plover, Piping (<i>Charadrius melodus</i>)	E	Terrestrial	Bird	Yes
Tern, Interior (population) Least (<i>Sterna antillarum</i>)	E	Terrestrial	Bird	No
Warbler (=Wood), Kirtland's (<i>Dendroica kirtlandii</i>)	E	Terrestrial	Bird	No
Warbler, Bachman's (<i>Vermivora bachmanii</i>)	E	Terrestrial	Bird	No
Woodpecker, Ivory-billed (<i>Campephilus principalis</i>)	E	Terrestrial	Bird	No
Woodpecker, Red-cockaded (<i>Picoides borealis</i>)	E	Terrestrial	Bird	No
Fanshell (<i>Cyprogenia stegaria</i>)	E	Freshwater	Bivalve	No
Mucket, Pink (Pearlymussel) (<i>Lampsilis abrupta</i>)	E	Freshwater	Bivalve	No
Mussel, Clubshell (<i>Pleurobema clava</i>)	E	Freshwater	Bivalve	No
Mussel, Cumberland Combshell (<i>Epioblasma brevidens</i>)	E	Freshwater	Bivalve	Yes
Mussel, Cumberland Elktoe (<i>Alasmidonta atropurpurea</i>)	E	Freshwater	Bivalve	Yes
Mussel, Oyster (<i>Epioblasma capsaeformis</i>)	E	Freshwater	Bivalve	Yes
Mussel, Ring Pink (=Golf Stick Pearly) (<i>Obovaria retusa</i>)	E	Freshwater	Bivalve	No
Mussel, Rough Pigtoe (<i>Pleurobema plenum</i>)	E	Freshwater	Bivalve	No
Mussel, Winged Mapleleaf (<i>Quadrula fragosa</i>)	E	Freshwater	Bivalve	No
Pearlymussel, Appalachian Monkeyface (<i>Quadrula sparsa</i>)	E	Freshwater	Bivalve	No
Pearlymussel, Cracking (<i>Hemistena lata</i>)	E	Freshwater	Bivalve	No
Pearlymussel, Cumberland Bean (<i>Vittosa trabalis</i>)	E	Freshwater	Bivalve	No
Pearlymussel, Dromedary (<i>Dromus dromas</i>)	E	Freshwater	Bivalve	No

Pearlymussel, Fat Pocketbook (<i>Potamilus capax</i>)	E	Bivalve Freshwater	No
Pearlymussel, Little-wing (<i>Pegias fabula</i>)	E	Bivalve Freshwater	No
Pearlymussel, Orange-footed (<i>Plethobasus cooperianus</i>)	E	Bivalve Freshwater	No
Pearlymussel, Purple Cat's Paw (<i>Epioblasma obliquata obliquata</i>)	E	Bivalve Freshwater	No
Pearlymussel, Tubercled-blossom (<i>Epioblasma torulosa torulosa</i>)	E	Bivalve Freshwater	No
Pearlymussel, White Wartyback (<i>Plethobasus cicatricosus</i>)	E	Bivalve Freshwater	No
Pearlymussel, Yellow-blossom (<i>Epioblasma florentina florentina</i>)	E	Bivalve Freshwater	No
Riffleshell, Northern (<i>Epioblasma lorulosa rangiana</i>)	E	Bivalve Freshwater	No
Riffleshell, Tan (<i>Epioblasma florentina walkeri</i> (=E. walkeri))	E	Bivalve Freshwater	No
Shrimp, Kentucky Cave (<i>Palaemonias ganleri</i>)	E	Crustacean Freshwater	Yes
Chaffseed, American (<i>Schwalbea americana</i>)	E	Dicot Terrestrial	No
Clover, Running Buffalo (<i>Trifolium stoloniferum</i>)	E	Dicot Terrestrial	No
Goldenrod, Short's (<i>Solidago shortii</i>)	E	Dicot Terrestrial	No
Goldenrod, White-haired (<i>Solidago albopilosa</i>)	T	Dicot Terrestrial	No
Potato-bean, Price's (<i>Aplos priceana</i>)	T	Dicot Terrestrial	No
Rock-cress, Braun's (<i>Arabis perstellata</i> E. L. Braun var. <i>ampla</i> Rollins)	E	Dicot Terrestrial	Yes
Rock-cress, Small (<i>Arabis perstellata</i> E. L. Braun var. <i>perstellata</i> Fernald)	E	Dicot Terrestrial	Yes
Rosemary, Cumberland (<i>Conradina verticillata</i>)	T	Dicot Terrestrial	No
Sandwort, Cumberland (<i>Arenaria cumbertandensis</i>)	E	Dicot Terrestrial	No
Spiraea, Virginia (<i>Spiraea virginiana</i>)	T	Dicot Terrestrial	No
Dace, Blackside (<i>Phoxinus cumberlandensis</i>)	T	Fish Freshwater	No
Darter, Bluemask (=jewel) (<i>Etheostoma</i> sp.)	E	Fish Freshwater	No
Darter, Relict (<i>Etheostoma chienense</i>)	E	Fish Freshwater	No
Shiner, Palezone (<i>Notropis albizonatus</i>)	E	Fish Freshwater	No
Sturgeon, Pallid (<i>Scaphirhynchus albus</i>)	E	Fish Freshwater	No
Beetle, American Burying (<i>Nicrophorus americanus</i>)	E	Insect Terrestrial	No
Bat, Gray	E	Mammal	No

(<i>Myotis grisescens</i>)		Terrestrial, Subterraneous	
Bat, Indiana	E	Mammal	Yes
(<i>Myotis sodalis</i>)		Terrestrial, Subterraneous	
Bat, Virginia Big-eared	E	Mammal	Yes
(<i>Corynorhinus (=Plecotus) townsendii virginianus</i>)		Terrestrial, Subterraneous	
Wolf, Red	E	Mammal	No
(<i>Canis rufus</i>)		Terrestrial	
Louisiana	(25) species:	Taxa	Critical Habitat
Pelican, Brown	E	Bird	No
(<i>Pelecanus occidentalis</i>)		Terrestrial	
Plover, Piping	E	Bird	Yes
(<i>Charadrius melodus</i>)		Terrestrial	
Tern, California Least	E	Bird	No
(<i>Sterna anillarum browni</i>)		Terrestrial	
Tern, Interior (population) Least	E	Bird	No
(<i>Sterna anillarum</i>)		Terrestrial	
Woodpecker, Red-cockaded	E	Bird	No
(<i>Picoides borealis</i>)		Terrestrial	
Mucket, Pink (Pearlymussel)	E	Bivalve	No
(<i>Lampsilis abrupta</i>)		Freshwater	
Mussel, Heelsplitter Inflated	T	Bivalve	No
(<i>Potamius inflatus</i>)		Freshwater	
Pearlshell, Louisiana	T	Bivalve	No
(<i>Margaritifera hembeli</i>)		Freshwater	
Chaffseed, American	E	Dicot	No
(<i>Schwalbea americana</i>)		Terrestrial	
Fruit, Earth (=geocarpon)	T	Dicot	No
(<i>Geocarpon minimum</i>)		Terrestrial	
Quillwort, Louisiana	E	Ferns	No
(<i>Isoetes louisianensis</i>)		Terrestrial, Freshwater	
Sturgeon, Gulf	T	Fish	Yes
(<i>Acipenser oxyrinchus desotoi</i>)		Freshwater, Saltwater	
Sturgeon, Pallid	E	Fish	No
(<i>Scaphirhynchus albus</i>)		Freshwater	
Bear, Louisiana Black	T	Mammal	No
(<i>Ursus americanus luteolus</i>)		Terrestrial	
Jaguar	E	Mammal	No
(<i>Panthera onca</i>)		Terrestrial	
Manatee, West Indian	E	Marine mml	Yes
(<i>Trichechus manatus</i>)		Saltwater	
Whale, Finback	E	Marine mml	No
(<i>Balaenoptera physalus</i>)		Saltwater	
Whale, Humpback	E	Marine mml	No
(<i>Megaptera novaeangliae</i>)		Saltwater	
Sea turtle, green	E	Reptile	Yes
(<i>Chelonia mydas</i>)		Saltwater	
Sea turtle, hawksbill	E	Reptile	Yes
(<i>Eretmochelys imbricata</i>)		Saltwater, Coastal	
Sea turtle, Kemp's ridley	E	Reptile	No
(<i>Lepidochelys kempii</i>)		Saltwater, Coastal	
Sea turtle, leatherback	E	Reptile	Yes
(<i>Dermochelys coriacea</i>)		Saltwater, Coastal	
Sea turtle, loggerhead	T	Reptile	No

(<i>Caretta caretta</i>)		Saltwater, Coastal	
Tortoise, Gopher	T	Reptile	No
(<i>Gopherus polyphemus</i>)		Terrestrial	
Turtle, Ringed Sawback	T	Reptile	No
(<i>Graptemys oculifera</i>)		Terrestrial, Freshwater	
Maine	(12) species:	<u>Taxa</u>	<u>Critical Habitat</u>
Plover, Piping	E	Bird	Yes
(<i>Charadrius melodus</i>)		Terrestrial	
Tern, Roseate	E	Bird	No
(<i>Sterna dougallii dougallii</i>)		Terrestrial	
Lousewort, Furbish	E	Dicot	No
(<i>Pedicularis furbishiae</i>)		Terrestrial	
Salmon, Atlantic	E	Fish	No
(<i>Salmo salar</i>)		Freshwater, Brackish, Saltwater	
Sturgeon, Shortnose	E	Fish	No
(<i>Acipenser brevirostrum</i>)		Freshwater, Saltwater	
Lynx, Canada	T	Mammal	No
(<i>Lynx canadensis</i>)		Terrestrial	
Whale, Finback	E	Marine mml	No
(<i>Balaenoptera physalus</i>)		Saltwater	
Whale, Humpback	E	Marine mml	No
(<i>Megaptera novaeangliae</i>)		Saltwater	
Whale, North Atlantic right	E	Marine mml	Yes
(<i>Eubalaena glacialis (incl. australis)</i>)		Saltwater	
Orchid, Eastern Prairie Fringed	T	Monocot	No
(<i>Platanthera leucophaea</i>)		Terrestrial	
Pogonia, Small Whorled	T	Monocot	No
(<i>Isotria medeoloides</i>)		Terrestrial	
Sea turtle, leatherback	E	Reptile	Yes
(<i>Dermodochelys coriacea</i>)		Saltwater, Coastal	
Maryland	(22) species:	<u>Taxa</u>	<u>Critical Habitat</u>
Plover, Piping	E	Bird	Yes
(<i>Charadrius melodus</i>)		Terrestrial	
Mussel, Dwarf Wedge	E	Bivalve	No
(<i>Alasmidonta heterodon</i>)		Freshwater	
Dropwort, Canby's	E	Dicot	No
(<i>Oxypolis canbyi</i>)		Terrestrial, Freshwater	
Gerardia, Sandplain	E	Dicot	No
(<i>Agalinis acuta</i>)		Terrestrial	
Harperella	E	Dicot	No
(<i>Ptilimnium nodosum</i>)		Freshwater	
Joint-vetch, Sensitive	T	Dicot	No
(<i>Aeschynomene virginica</i>)		Terrestrial, Brackish	
Darter, Maryland	E	Fish	Yes
(<i>Etheostoma sellare</i>)		Freshwater	
Sturgeon, Shortnose	E	Fish	No
(<i>Acipenser brevirostrum</i>)		Freshwater, Saltwater	
Beetle, Northeastern Beach Tiger	T	Insect	No
(<i>Cicindela dorsalis dorsalis</i>)		Terrestrial	
Beetle, Puritan Tiger	T	Insect	No
(<i>Cicindela purilana</i>)		Terrestrial, Coastal	
Bat, Indiana	E	Mammal	Yes
(<i>Myotis sodalis</i>)		Terrestrial, Subterraneous	

Squirrel, Delmarva Peninsula Fox (<i>Sciurus niger cinereus</i>)	E	Mammal	No
Whale, Finback (<i>Balaenoptera physalus</i>)	E	Marine mml	No
Whale, Humpback (<i>Megaptera novaeangliae</i>)	E	Marine mml	No
Whale, North Atlantic right (<i>Eubalaena glacialis (incl. australis)</i>)	E	Marine mml	Yes
Bulrush, Northeastern (=Barbed Bristle) (<i>Scirpus ancistrochaetus</i>)	E	Monocot	No
Pink, Swamp (<i>Helonias bullata</i>)	T	Monocot	No
Sea turtle, hawksbill (<i>Eretmochelys imbricata</i>)	E	Reptile	Yes
Sea turtle, Kemp's ridley (<i>Lepidochelys kempii</i>)	E	Reptile	No
Sea turtle, leatherback (<i>Dermochelys coriacea</i>)	E	Reptile	Yes
Sea turtle, loggerhead (<i>Caretta caretta</i>)	T	Reptile	No
Turtle, Bog (Northern population) (<i>Clemmys muhlenbergii</i>)	T	Reptile	No
Massachusetts (18) species:		Taxa	Critical Habitat
Plover, Piping (<i>Charadrius melodus</i>)	E	Bird	Yes
Tern, Roseate (<i>Sterna dougalii dougalii</i>)	E	Bird	No
Gerardia, Sandplain (<i>Agalinis acuta</i>)	E	Dicot	No
Sturgeon, Shortnose (<i>Acipenser brevirostrum</i>)	E	Fish	No
Beetle, American Burying (<i>Nicrophorus americanus</i>)	E	Insect	No
Beetle, Northeastern Beach Tiger (<i>Cicindela dorsalis dorsalis</i>)	T	Insect	No
Beetle, Puritan Tiger (<i>Cicindela puritana</i>)	T	Insect	No
Bat, Indiana (<i>Myotis sodalis</i>)	E	Mammal	Yes
Whale, Finback (<i>Balaenoptera physalus</i>)	E	Marine mml	No
Whale, North Atlantic right (<i>Eubalaena glacialis (incl. australis)</i>)	E	Marine mml	Yes
Bulrush, Northeastern (=Barbed Bristle) (<i>Scirpus ancistrochaetus</i>)	E	Monocot	No
Pogonia, Small Whorled (<i>Isotria medeoloides</i>)	T	Monocot	No
Sea turtle, hawksbill (<i>Eretmochelys imbricata</i>)	E	Reptile	Yes
Sea turtle, Kemp's ridley (<i>Lepidochelys kempii</i>)	E	Reptile	No
Sea turtle, leatherback (<i>Dermochelys coriacea</i>)	E	Reptile	Yes

Sea turtle, loggerhead (<i>Caretta caretta</i>)	T	Reptile	No
Turtle, Bog (Northern population) (<i>Clemmys muhlenbergii</i>)	T	Saltwater, Coastal Reptile	No
Turtle, Plymouth Red-bellied (<i>Pseudemys rubriventeris bangsi</i>)	E	Terrestrial, Freshwater Reptile	Yes
Michigan (19) species:		<u>Taxa</u>	<u>Critical Habitat</u>
Plover, Piping (<i>Charadrius melodus</i>)	E	Bird	Yes
Warbler (=Wood), Kirtland's (<i>Dendroica kirtlandii</i>)	E	Terrestrial Bird	No
Mussel, Clubshell (<i>Pleurobema clava</i>)	E	Bivalve	No
Riffleshell, Northern (<i>Epioblasma torulosa rangiana</i>)	E	Freshwater Bivalve	No
Daisy, Lakeside (<i>Hymenoxys herbacea</i>)	T	Freshwater Dicot	No
Goldenrod, Houghton's (<i>Solidago houghtonii</i>)	T	Terrestrial Dicot	No
Monkey-flower, Michigan (<i>Mimulus glaberratus var. michiganensis</i>)	E	Terrestrial, Freshwater Dicot	No
Thistle, Pitcher's (<i>Cirsium pitcheri</i>)	T	Terrestrial Dicot	No
Fern, American hart's-tongue (<i>Asplenium scolopendrium var. americanum</i>)	T	Terrestrial Ferns	No
Beetle, Hungerford's Crawling Water (<i>Brychius hungerfordi</i>)	E	Freshwater Insect	No
Butterfly, Karner Blue (<i>Lycæides melissa samuelis</i>)	E	Terrestrial Insect	No
Butterfly, Mitchell's Satyr (<i>Neonympha mitchellii mitchellii</i>)	E	Terrestrial, Perm. wetland Insect	No
Dragonfly, Hine's Emerald (<i>Somatochlora hineana</i>)	E	Terrestrial, Freshwater Insect	Yes
Bat, Indiana (<i>Myotis sodalis</i>)	E	Terrestrial, Subterranean Mammal	Yes
Lynx, Canada (<i>Lynx canadensis</i>)	T	Terrestrial Mammal	No
Iris, Dwarf Lake (<i>Iris lacustris</i>)	T	Terrestrial Monocot	No
Orchid, Eastern Prairie Fringed (<i>Platanthera leucophaea</i>)	T	Terrestrial Monocot	No
Pogonia, Small Whorled (<i>Isotria medeoloides</i>)	T	Terrestrial Monocot	No
Snake, Northern Copperbelly Water (<i>Nerodia erythrogaster neglecta</i>)	T	Terrestrial, Freshwater Reptile	No
Minnesota (10) species:		<u>Taxa</u>	<u>Critical Habitat</u>
Plover, Piping (<i>Charadrius melodus</i>)	E	Bird	Yes
Mussel, Winged Mapleleaf (<i>Quadrula fragosa</i>)	E	Freshwater Bivalve	No
Pearlymussel, Higgins' Eye (<i>Lampsilis higginsii</i>)	E	Freshwater Bivalve	No
Clover, Prairie Bush	T	Dicot	No

(<i>Lespedeza leptostachya</i>)		Terrestrial	
Roseroot, Leedy's (<i>Sedum integrifolium</i> ssp. <i>leedyi</i>)	T	Dicot	No
Shiner, Topeka (<i>Notropis topeka</i> (=tristis))	E	Freshwater Fish	Yes
Butterfly, Karner Blue (<i>Lycaeides melissa samuelis</i>)	E	Insect	No
Lynx, Canada (<i>Lynx canadensis</i>)	T	Mammal	No
Lily, Minnesota Trout (<i>Erythronium propullans</i>)	E	Monocot	No
Orchid, Western Prairie Fringed (<i>Platanthera praeclara</i>)	T	Monocot	No
		Terrestrial	
Mississippi (35) species:		Taxa	Critical Habitat
Frog, Dusky Gopher (Mississippi DPS) (<i>Rana capito sevosa</i>)	E	Amphibian	No
Crane, Mississippi Sandhill (<i>Grus canadensis pulla</i>)	E	Bird	Yes
Pelican, Brown (<i>Pelecanus occidentalis</i>)	E	Bird	No
Plover, Piping (<i>Charadrius melodus</i>)	E	Bird	Yes
Tern, Interior (population) Least (<i>Sterna antillarum</i>)	E	Bird	No
Woodpecker, Red-cockaded (<i>Picoides borealis</i>)	E	Bird	No
Combshell, Southern (=Penitent mussel) (<i>Epioblasma penita</i>)	E	Bivalve	No
Mucket, Orangenacre (<i>Lampsilis perovatis</i>)	T	Bivalve	Yes
Mussel, Alabama Moccasinshell (<i>Medionidus acutissimus</i>)	T	Bivalve	Yes
Mussel, Black (=Curtus' Mussel) Clubshell (<i>Pleurobema curtum</i>)	E	Bivalve	No
Mussel, Heavy Pigtoe (=Judge Tait's Mussel) (<i>Pleurobema taitianum</i>)	E	Bivalve	No
Mussel, Heelsplitter Inflated (<i>Potamilus inflatus</i>)	T	Bivalve	No
Mussel, Ovate Clubshell (<i>Pleurobema perovalum</i>)	E	Bivalve	Yes
Mussel, Southern Clubshell (<i>Pleurobema decisum</i>)	E	Bivalve	Yes
Pearlymussel, Fat Pocketbook (<i>Polamillus capax</i>)	E	Bivalve	No
Pondberry (<i>Lindera melissifolia</i>)	E	Dicot	No
Potato-bean, Price's (<i>Apios priceana</i>)	T	Dicot	No
Quillwort, Louisiana (<i>Isoetes louisianensis</i>)	E	Ferns	No
Darter, Bayou (<i>Etheostoma rubrum</i>)	T	Freshwater Fish	No
Sturgeon, Gulf	T	Freshwater Fish	Yes

(<i>Acipenser oxyrinchus desotoi</i>)		Freshwater, Saltwater	
Sturgeon, Pallid	E	Fish	No
(<i>Scaphirhynchus albus</i>)		Freshwater	
Bat, Gray	E	Mammal	No
(<i>Myotis grisescens</i>)		Terrestrial, Subterraneous	
Bat, Indiana	E	Mammal	Yes
(<i>Myotis sodalis</i>)		Terrestrial, Subterraneous	
Bear, Louisiana Black	T	Mammal	No
(<i>Ursus americanus tuteolus</i>)		Terrestrial	
Whale, Finback	E	Marine mml	No
(<i>Balaenoptera physalus</i>)		Saltwater	
Whale, Humpback	E	Marine mml	No
(<i>Megaptera novaeangliae</i>)		Saltwater	
Sea turtle, green	E	Reptile	Yes
(<i>Chelonia mydas</i>)		Saltwater	
Sea turtle, hawksbill	E	Reptile	Yes
(<i>Eretmochelys imbricata</i>)		Saltwater, Coastal	
Sea turtle, Kemp's ridley	E	Reptile	No
(<i>Lepidochelys kempii</i>)		Saltwater, Coastal	
Sea turtle, leatherback	E	Reptile	Yes
(<i>Dermochelys coriacea</i>)		Saltwater, Coastal	
Sea turtle, loggerhead	T	Reptile	No
(<i>Caretta caretta</i>)		Saltwater, Coastal	
Snake, Eastern Indigo	T	Reptile	Yes
(<i>Drymarchon corais couperi</i>)		Terrestrial	
Tortoise, Gopher	T	Reptile	No
(<i>Gopherus polyphemus</i>)		Terrestrial	
Turtle, Ringed Sawback	T	Reptile	No
(<i>Graptemys oculifera</i>)		Terrestrial, Freshwater	
Turtle, Yellow-blotched Map	T	Reptile	No
(<i>Graptemys flavimaculata</i>)		Terrestrial, Freshwater	
Missouri	(29) species:	Taxa	Critical Habitat
Plover, Piping	E	Bird	Yes
(<i>Charadrius melodus</i>)		Terrestrial	
Tern, Interior (population) Least	E	Bird	No
(<i>Sterna antillarum</i>)		Terrestrial	
Mucket, Pink (Pearlymussel)	E	Bivalve	No
(<i>Lampsilis abrupta</i>)		Freshwater	
Mussel, Scaleshell	E	Bivalve	No
(<i>Leptodea leptodon</i>)		Freshwater	
Mussel, Winged Mapleleaf	E	Bivalve	No
(<i>Quadrula fragosa</i>)		Freshwater	
Pearlymussel, Curtis'	E	Bivalve	No
(<i>Epioblasma florentina curtisii</i>)		Freshwater	
Pearlymussel, Fat Pocketbook	E	Bivalve	No
(<i>Potamilus capax</i>)		Freshwater	
Pearlymussel, Higgins' Eye	E	Bivalve	No
(<i>Lampsilis higginsii</i>)		Freshwater	
Crayfish, Cave (<i>Cambarus aculabrum</i>)	E	Crustacean	No
(<i>Cambarus aculabrum</i>)		Freshwater	
Aster, Decurrent False	T	Dicot	No
(<i>Boltonia decurrens</i>)		Terrestrial, Freshwater	
Bladderpod, Missouri	T	Dicot	No

(<i>Lesquerella filiformis</i>)		Terrestrial	
Clover, Running Buffalo (<i>Trifolium stoloniferum</i>)	E	Dicot	No
Fruit, Earth (=geocarpon) (<i>Geocarpon minimum</i>)	T	Dicot	No
Milkweed, Mead's (<i>Asclepias meadii</i>)	T	Dicot	No
Pondberry (<i>Lindera melissifolia</i>)	E	Dicot	No
Sneezeweed, Virginia (<i>Helenium virginicum</i>)	T	Dicot	No
Cavefish, Ozark (<i>Amblyopsis rosae</i>)	T	Vernal pool Fish	No
Chub, Humpback (<i>Gila cypha</i>)	E	Freshwater Fish	Yes
Darter, Niangua (<i>Etheostoma nianguae</i>)	T	Freshwater Fish	Yes
Madtom, Neosho (<i>Noturus placidus</i>)	T	Freshwater Fish	No
Shiner, Topeka (<i>Notropis topeka</i> (=tristis))	E	Freshwater Fish	Yes
Sturgeon, Gulf (<i>Acipenser oxyrinchus desotoi</i>)	T	Freshwater Fish	Yes
Sturgeon, Pallid (<i>Scaphirhynchus atbus</i>)	E	Freshwater, Saltwater Fish	No
Cavesnail, Tumbling Creek (<i>Antrobia culveri</i>)	E	Freshwater Gastropod	No
Beetle, American Burying (<i>Nicrophorus americanus</i>)	E	Freshwater, Subterranean Insect	No
Dragonfly, Hine's Emerald (<i>Somatochlora hineana</i>)	E	Terrestrial Insect	Yes
Bat, Gray (<i>Myotis grisescens</i>)	E	Terrestrial, Freshwater Mammal	No
Bat, Indiana (<i>Myotis sodatis</i>)	E	Terrestrial, Subterranean Mammal	Yes
Orchid, Western Prairie Fringed (<i>Platanthera praeclara</i>)	T	Terrestrial, Subterranean Monocot	No
Montana (10) species:		Taxa	Critical Habitat
Crane, Whooping (<i>Grus americana</i>)	E	Bird	Yes
Plover, Piping (<i>Charadrius metodus</i>)	E	Terrestrial, Freshwater Bird	Yes
Tern, Interior (population) Least (<i>Sterna antillarum</i>)	E	Terrestrial Bird	No
Catchfly, Spalding's (<i>Silene spaldingii</i>)	T	Terrestrial Dicot	No
Howellia, Water (<i>Howellia aquatilis</i>)	T	Freshwater Dicot	No
Sturgeon, Pallid (<i>Scaphirhynchus albus</i>)	E	Freshwater Fish	No
Sturgeon, White (<i>Acipenser transmontanus</i>)	E	Freshwater, Saltwater Fish	Yes
Trout, Bull	T	Freshwater Fish	Yes

(<i>Salvelinus confluentus</i>)		Freshwater	
Bear, Grizzly	T	Mammal	No
(<i>Ursus arctos horribilis</i>)		Terrestrial	
Ferret, Black-footed	E	Mammal	No
(<i>Mustela nigripes</i>)		Terrestrial	
Nebraska (10) species:		Taxa	Critical Habitat
Crane, Whooping	E	Bird	Yes
(<i>Grus americana</i>)		Terrestrial, Freshwater	
Plover, Piping	E	Bird	Yes
(<i>Charadrius melodus</i>)		Terrestrial	
Turn, Interior (population) Least	E	Bird	No
(<i>Sterna antillarum</i>)		Terrestrial	
Butterfly Plant, Colorado	T	Dicot	Yes
(<i>Gaura neomexicana</i> var. <i>coloradensis</i>)		Terrestrial	
Penstemon, Blowout	E	Dicot	No
(<i>Penstemon haydenii</i>)		Terrestrial	
Shiner, Topoka	E	Fish	Yes
(<i>Nolropis topeka</i> (= <i>tristis</i>))		Freshwater	
Sturgeon, Pallid	E	Fish	No
(<i>Scaphirhynchus albus</i>)		Freshwater	
Beetle, Salt Creek Tiger	E	Insect	No
(<i>Cicindela nevadica lincolniana</i>)		Terrestrial	
Ferret, Black-footed	E	Mammal	No
(<i>Mustela nigripes</i>)		Terrestrial	
Orchid, Western Prairie Fringed	T	Monocot	No
(<i>Platanthera praeclara</i>)		Terrestrial	
Nevada (24) species:		Taxa	Critical Habitat
Flycatcher, Southwestern Willow	E	Bird	Yes
(<i>Empidonax traillii eximius</i>)		Terrestrial	
Rail, Yuma Clapper	E	Bird	No
(<i>Rallus longirostris yumanensis</i>)		Terrestrial	
Blazing Star, Ash Meadows	T	Dicot	Yes
(<i>Mentzelia leucophylla</i>)		Terrestrial	
Centaury, Spring-loving	T	Dicot	Yes
(<i>Centaureum namophilum</i>)		Terrestrial	
Gumplant, Ash Meadows	T	Dicot	Yes
(<i>Grindelia fraxino-pratensis</i>)		Terrestrial	
Ivesia, Ash Meadows	T	Dicot	Yes
(<i>Ivesia kingii</i> var. <i>eremica</i>)		Terrestrial	
Milk-vetch, Ash Meadows	T	Dicot	Yes
(<i>Astragalus phoenix</i>)		Terrestrial	
Niterwort, Amargosa	E	Dicot	Yes
(<i>Nitrophila mohavensis</i>)		Terrestrial	
Sunray, Ash Meadows	T	Dicot	Yes
(<i>Enceliopsis nudicaulis</i> var. <i>corrugata</i>)		Terrestrial	
Chub, Bonytail	E	Fish	Yes
(<i>Gila elegans</i>)		Freshwater	
Chub, Virgin River	E	Fish	Yes
(<i>Gila seminuda</i> (= <i>robusta</i>))		Freshwater	
Dace, Ash Meadows Speckled	E	Fish	Yes
(<i>Rhinichthys oscutus nevadensis</i>)		Freshwater	
Dace, Moapa	E	Fish	No
(<i>Moapa coriacea</i>)		Freshwater	

Poolfish, Pahrump (= Pahrump Killifish) (<i>Empetrichthys latos</i>)	E	Freshwater	Fish	No
Pupfish, Ash Meadows Amargosa (<i>Cyprinodon nevadensis mionectes</i>)	E	Freshwater	Fish	Yes
Pupfish, Devils Hole (<i>Cyprinodon diabolis</i>)	E	Freshwater	Fish	No
Pupfish, Warm Springs (<i>Cyprinodon nevadensis pectoralis</i>)	E	Freshwater	Fish	No
Spinedace, White River (<i>Lepidomeda albivallis</i>)	E	Freshwater	Fish	Yes
Springfish, Railroad Valley (<i>Crenichthys nevadae</i>)	T	Freshwater	Fish	Yes
Sucker, Razorback (<i>Xyrauchen texanus</i>)	E	Freshwater	Fish	Yes
Trout, Lahontan Cutthroat (<i>Oncorhynchus clarki henshawi</i>)	T	Freshwater	Fish	No
Woundfin (<i>Plagopferus argentissimus</i>)	E	Freshwater	Fish	Yes
Naucorid, Ash Meadows (<i>Ambrysus amargosus</i>)	T	Terrestrial	Insect	Yes
Tortoise, Desert (<i>Gopherus agassizii</i>)	T	Terrestrial	Reptile	Yes
New Hampshire (7) species:			<u>Taxa</u>	<u>Critical Habitat</u>
Mussel, Dwarf Wedge (<i>Atasmidonta heterodonta</i>)	E	Freshwater	Bivalve	No
Milk-vetch, Jesup's (<i>Astragalus robbinsii</i> var. <i>jesupii</i>)	E	Terrestrial	Dicot	No
Butterfly, Karner Blue (<i>Lycaeides melissa samuelis</i>)	E	Terrestrial	Insect	No
Bat, Indiana (<i>Myotis sodalis</i>)	E	Terrestrial, Subterraneous	Mammal	Yes
Whale, Finback (<i>Balaenoptera physatus</i>)	E	Saltwater	Marine mml	No
Pogonia, Small Whorled (<i>Isotria medeoloides</i>)	T	Terrestrial	Monocot	No
Sea turtle, leatherback (<i>Dermochelys coriacea</i>)	E	Saltwater, Coastal	Reptile	Yes
New Jersey (17) species:			<u>Taxa</u>	<u>Critical Habitat</u>
Curlew, Eskimo (<i>Numenius borealis</i>)	E	Terrestrial	Bird	No
Plover, Piping (<i>Charadrius metodus</i>)	E	Terrestrial	Bird	Yes
Chaffseed, American (<i>Schwalbea americana</i>)	E	Terrestrial	Dicot	No
Joint-vetch, Sensitive (<i>Aeschynomene virginica</i>)	T	Terrestrial, Brackish	Dicot	No
Sturgeon, Shortnose (<i>Acipenser brevirostrum</i>)	E	Freshwater, Saltwater	Fish	No
Bat, Indiana (<i>Myotis sodalis</i>)	E	Terrestrial, Subterraneous	Mammal	Yes
Whale, Finback (<i>Balaenoptera physatus</i>)	E	Saltwater	Marine mml	No
Whale, Humpback	E		Marine mml	No

(<i>Megaptera novaeangliae</i>)		Saltwater	
Whale, North Atlantic right	E	Marine mammal	Yes
(<i>Eubalaena glacialis</i> (Incl. <i>australis</i>))		Saltwater	
Beaked-rush, Knieskern's	T	Monocot	No
(<i>Rhynchospora knieskernii</i>)		Terrestrial	
Pink, Swamp	T	Monocot	No
(<i>Helonias bullata</i>)		Terrestrial, Freshwater	
Pogonia, Small Whorled	T	Monocot	No
(<i>Isotria medeoloides</i>)		Terrestrial	
Sea turtle, hawksbill	E	Reptile	Yes
(<i>Eretmochelys imbricata</i>)		Saltwater, Coastal	
Sea turtle, Kemp's ridley	E	Reptile	No
(<i>Lepidochelys kempi</i>)		Saltwater, Coastal	
Sea turtle, leatherback	E	Reptile	Yes
(<i>Dermodochelys coriacea</i>)		Saltwater, Coastal	
Sea turtle, loggerhead	T	Reptile	No
(<i>Caretta caretta</i>)		Saltwater, Coastal	
Turtle, Bog (Northern population)	T	Reptile	No
(<i>Clemmys muhlenbergii</i>)		Terrestrial, Freshwater	
New Mexico (45) species:		Taxa	Critical Habitat
Frog, Chiricahua Leopard	T	Amphibian	No
(<i>Rana chiricahuensis</i>)		Terrestrial, Freshwater	
Crane, Whooping	E	Bird	Yes
(<i>Grus americana</i>)		Terrestrial, Freshwater	
Falcon, Northern Aplomado	E	Bird	No
(<i>Falco femoralis septentrionalis</i>)		Terrestrial	
Flycatcher, Southwestern Willow	E	Bird	Yes
(<i>Empidonax traillii extimus</i>)		Terrestrial	
Owl, Mexican Spotted	T	Bird	Yes
(<i>Strix occidentalis lucida</i>)		Terrestrial	
Plover, Piping	E	Bird	Yes
(<i>Charadrius melodus</i>)		Terrestrial	
Tern, Interior (population) Least	E	Bird	No
(<i>Sterna antillarum</i>)		Terrestrial	
Amphipod, Noel's	E	Crustacean	Yes
(<i>Gammarus desperatus</i>)		Freshwater	
Isopod, Socorro	E	Crustacean	No
(<i>Thermosphaeroma thermophilus</i>)		Freshwater	
Cactus, Knowlton	E	Dicot	No
(<i>Pedlocactus knowltonii</i>)		Terrestrial	
Cactus, Kuenzler Hedgehog	E	Dicot	No
(<i>Echinocereus fendleri</i> var. <i>kuenzleri</i>)		Terrestrial	
Cactus, Lee Pincushion	T	Dicot	No
(<i>Coryphantha sneedii</i> var. <i>teei</i>)		Terrestrial	
Cactus, Mesa Verde	T	Dicot	No
(<i>Sclerocactus mesae-verdae</i>)		Terrestrial	
Cactus, Sneed Pincushion	E	Dicot	No
(<i>Coryphantha sneedii</i> var. <i>sneedii</i>)		Terrestrial	
Fleabane, Zuni	T	Dicot	No
(<i>Erigeron rhizomatus</i>)		Terrestrial	
Ipomopsis, Holy Ghost	E	Dicot	No
(<i>Ipomopsis sancli-spiritus</i>)		Terrestrial	
Milk-vetch, Mancos	E	Dicot	No

(<i>Astragalus humillimus</i>)		Terrestrial	
Pennyroyal, Todsens (<i>Hedeoma todsenii</i>)	E	Dicot	Yes
Poppy, Sacramento Prickly (<i>Argemone pleiacantha ssp. pinnatisecta</i>)	E	Dicot	No
Sunflower, Pecos (<i>Helianthus paradoxus</i>)	T	Dicot	Yes
Thistle, Sacramento Mountains (<i>Cirsium vinaceum</i>)	T	Terrestrial, Perm. wetland Dicot	No
Wild-buckwheat, Gypsum (<i>Eriogonum gypsophilum</i>)	T	Dicot	Yes
Chub, Chihuahua (<i>Gila nigrescens</i>)	T	Freshwater Fish	No
Chub, Gila (<i>Gila intermedia</i>)	E	Freshwater Fish	Yes
Gambusia, Pecos (<i>Gambusia nobilis</i>)	E	Freshwater Fish	No
Minnow, Loach (<i>Tiaroga cobitis</i>)	T	Freshwater Fish	Yes
Minnow, Rio Grande Silvery (<i>Hybognathus amarus</i>)	E	Freshwater Fish	Yes
Shiner, Arkansas River (<i>Notropis girardi</i>)	T	Freshwater Fish	Yes
Shiner, Beautiful (<i>Cyprinella formosa</i>)	T	Freshwater Fish	Yes
Shiner, Pecos Bluntnose (<i>Notropis simus pecosensis</i>)	T	Freshwater Fish	Yes
Spikedace (<i>Meda fulgida</i>)	T	Freshwater Fish	Yes
Squawfish, Colorado (<i>Ptychocheilus lucius</i>)	E	Freshwater Fish	Yes
Sucker, Razorback (<i>Xyrauchen texanus</i>)	E	Freshwater Fish	Yes
Topminnow, Gila (Yaqui) (<i>Poeciliopsis occidentalis</i>)	E	Freshwater Fish	No
Trout, Gila (<i>Oncorhynchus gilae</i>)	E	Freshwater Fish	No
Snail, Pecos Assiminea (<i>Assiminea pecos</i>)	E	Freshwater Gastropod	Yes
Springsnail, Alamosa (<i>Tryonia alamosae</i>)	E	Freshwater Gastropod	No
Springsnail, Koster's (<i>Jugumia kosteri</i>)	E	Terrestrial Gastropod	No
Springsnail, Roswell (<i>Pyrgulopsis roswellensis</i>)	E	Freshwater Gastropod	Yes
Springsnail, Socorro (<i>Pyrgulopsis neomexicana</i>)	E	Freshwater Gastropod	No
Bat, Lesser (=Sanborn's) Long-nosed (<i>Leptonycteris curasoae yerbabuena</i>)	E	Terrestrial, Subterraneous Mammal	No
Bat, Mexican Long-nosed (<i>Leptonycteris nivalis</i>)	E	Terrestrial, Subterraneous Mammal	No
Ferret, Black-footed (<i>Mustela nigripes</i>)	E	Terrestrial Mammal	No

Jaguar (<i>Panthera onca</i>)	E	Mammal	No
Rattlesnake, New Mexican Ridge-nosed (<i>Crotalus wilfordi obscurus</i>)	T	Reptile	Yes
New York (22) species:		<u>Taxa</u>	<u>Critical Habitat</u>
Plover, Piping (<i>Charadrius melodus</i>)	E	Bird	Yes
Tern, Roseate (<i>Sterna dougallii dougallii</i>)	E	Bird	No
Mussel, Dwarf Wedge (<i>Alasmidonta heterodon</i>)	E	Bivalve	No
Amaranth, Seabeach (<i>Amaranthus pumilus</i>)	T	Dicot	No
Gerardia, Sandplain (<i>Agalinis acula</i>)	E	Dicot	No
Monkshood, Northern Wild (<i>Aconitum noveboracense</i>)	T	Dicot	No
Roseroot, Leedy's (<i>Sedum integrifolium ssp. leedyi</i>)	T	Dicot	No
Fern, American hart's-tongue (<i>Asplenium scolopendrium var. americanum</i>)	T	Ferns	No
Sturgeon, Shortnose (<i>Acipenser brevirostrum</i>)	E	Fish	No
Snail, Chittenango Ovate Amber (<i>Succinea chittenangoensis</i>)	T	Gastropod	No
Butterfly, Karner Blue (<i>Lycaeides melissa samuelis</i>)	E	Insect	No
Bat, Indiana (<i>Myotis sodalis</i>)	E	Mammal	Yes
Whale, Finback (<i>Balaenoptera physalus</i>)	E	Marine mml	No
Whale, Humpback (<i>Megaptera novaeangliae</i>)	E	Marine mml	No
Whale, North Atlantic right (<i>Eubalaena glacialis (incl. australis)</i>)	E	Marine mml	Yes
Pogonia, Small Whoiled (<i>Isotria medeoloides</i>)	T	Monocot	No
Sea turtle, green (<i>Chelonia mydas</i>)	E	Reptile	Yes
Sea turtle, hawksbill (<i>Eretmochelys imbricata</i>)	E	Reptile	Yes
Sea turtle, Kemp's ridley (<i>Lepidochelys kempii</i>)	E	Reptile	No
Sea turtle, leatherback (<i>Dermochelys coriacea</i>)	E	Reptile	Yes
Sea turtle, loggerhead (<i>Caretta caretta</i>)	T	Reptile	No
Turtle, Bog (Northern population) (<i>Clemmys muhlenbergii</i>)	T	Reptile	No
North Carolina (60) species:		<u>Taxa</u>	<u>Critical Habitat</u>
Spider, Spruce-fir Moss (<i>Microhexura monlivaga</i>)	E	Arachnid	Yes
Plover, Piping	E	Bird	Yes

(<i>Charadrius melodus</i>)		Terrestrial	
Stork, Wood	E	Bird	No
(<i>Mycteria americana</i>)		Terrestrial	
Tern, Roseate	E	Bird	No
(<i>Sterna dougallii dougallii</i>)		Terrestrial	
Woodpecker, Red-cockaded	E	Bird	No
(<i>Picoides borealis</i>)		Terrestrial	
Elktoe, Appalachian	E	Bivalve	Yes
(<i>Alasmidonta raveneliana</i>)		Freshwater	
Mussel, Dwarf Wedge	E	Bivalve	No
(<i>Atasmidonta heterodon</i>)		Freshwater	
Mussel, Heelsplitter Carolina	E	Bivalve	Yes
(<i>Lasmigona decorata</i>)		Freshwater	
Mussel, Oyster	E	Bivalve	Yes
(<i>Epioblasma capsaeformis</i>)		Freshwater	
Pearlymussel, Little-wing	E	Bivalve	No
(<i>Pegias fabule</i>)		Freshwater	
Purple Bean	E	Bivalve	Yes
(<i>Villosa perpurpurea</i>)		Freshwater	
Spiny mussel, James River	E	Bivalve	No
(<i>Pleurobema coltina</i>)		Freshwater	
Spiny mussel, Tar River	E	Bivalve	No
(<i>Elliptio steinstansana</i>)		Freshwater	
Amaranth, Seabeach	T	Dicot	No
(<i>Amaranthus pumilus</i>)		Coastal	
Avens, Spreading	E	Dicot	No
(<i>Geum radiatum</i>)		Terrestrial	
Bittercress, Small-anthered	E	Dicot	No
(<i>Cardamine micranthera</i>)		Terrestrial	
Blazing Star, Heller's	T	Dicot	No
(<i>Liatris helleri</i>)		Terrestrial	
Bluet, Roan Mountain	E	Dicot	No
(<i>Hedyotis purpurea var. montana</i>)		Terrestrial	
Chaffseed, American	E	Dicot	No
(<i>Schwalbea americana</i>)		Terrestrial	
Coneflower, Smooth	E	Dicot	No
(<i>Echinacea taevigata</i>)		Terrestrial	
Dropwort, Canby's	E	Dicot	No
(<i>Oxyptis canbyi</i>)		Terrestrial, Freshwater	
Goldenrod, Blue Ridge	T	Dicot	No
(<i>Solidago spithamea</i>)		Terrestrial	
Harperella	E	Dicot	No
(<i>Pitinnium nodosum</i>)		Freshwater	
Heartleaf, Dwarf-flowered	T	Dicot	No
(<i>Hexastylis naniflora</i>)		Terrestrial	
Heather, Mountain Golden	T	Dicot	Yes
(<i>Hudsonia montana</i>)		Terrestrial	
Joint-vetch, Sensitive	T	Dicot	No
(<i>Aeschynomene virginica</i>)		Terrestrial, Brackish	
Loosestrife, Rough-leaved	E	Dicot	No
(<i>Lysimachia asperulaefolia</i>)		Terrestrial	
Meadowrue, Cooley's	E	Dicot	No
(<i>Thalictrum cooleyi</i>)		Terrestrial	

Pitcher-plant, Green (<i>Sarracenia oreophila</i>)	E	Dicot	No
Pitcher-plant, Mountain Sweet (<i>Sarracenia rubra ssp. jonesii</i>)	E	Terrestrial, Freshwater Dicot	No
Pondberry. (<i>Lindera melissifolia</i>)	E	Terrestrial Dicot	No
Spiraea, Virginia (<i>Spiraea virginiana</i>)	T	Terrestrial Dicot	No
Sumac, Michaux's (<i>Rhus michauxii</i>)	E	Terrestrial Dicot	No
Sunflower, Schweinitz's (<i>Helianthus schweinitzii</i>)	E	Terrestrial Dicot	No
Chub, Spottfin (<i>Erimonax monachus</i>)	T	Freshwater Fish	Yes
Shiner, Cape Fear (<i>Notropis mekistocholas</i>)	E	Freshwater Fish	Yes
Silverside, Waccamaw (<i>Menidia extensa</i>)	T	Freshwater Fish	Yes
Sturgeon, Shortnose (<i>Acipenser brevirostrum</i>)	E	Freshwater, Saltwater Fish	No
Snail, Noonday (<i>Mesodon clarki nantahala</i>)	T	Terrestrial Gastropod	No
Butterfly, Saint Francis' Satyr (<i>Neonympha mitchellii francisci</i>)	E	Terrestrial Insect	No
Lichen, Rock Gnome (<i>Gymnoderma lineare</i>)	E	Terrestrial Lichen	No
Bat, Gray (<i>Myotis grisescens</i>)	E	Terrestrial, Subterranean Mammal	No
Bat, Indiana (<i>Myotis sodalis</i>)	E	Terrestrial, Subterranean Mammal	Yes
Bat, Virginia Big-eared (<i>Corynorhinus (=Plecotus) townsendii virginianus</i>)	E	Terrestrial, Subterranean Mammal	Yes
Squirrel, Carolina Northern Flying (<i>Glaucomys sabrinus coloratus</i>)	E	Terrestrial Mammal	No
Wolf, Red (<i>Canis rufus</i>)	E	Terrestrial Mammal	No
Manatee, West Indian (<i>Trichechus manatus</i>)	E	Saltwater Marine mml	Yes
Whale, Finback (<i>Balaenoptera physalus</i>)	E	Saltwater Marine mml	No
Whale, Humpback (<i>Megaptera novaeangliae</i>)	E	Saltwater Marine mml	No
Whale, North Atlantic right (<i>Eubalaena glacialis (incl. australis)</i>)	E	Saltwater Marine mml	Yes
Arrowhead, Bunched (<i>Sagittaria fasciculata</i>)	E	Freshwater Monocot	No
Irisette, White (<i>Sisyrinchium dichotomum</i>)	E	Terrestrial Monocot	No
Pink, Swamp (<i>Helonias bullata</i>)	T	Terrestrial, Freshwater Monocot	No
Pogonia, Small Whorled (<i>Isotria medeoloides</i>)	T	Terrestrial Monocot	No
Sedge, Golden	E	Monocot	No

(<i>Carex lutea</i>)		Terrestrial	
Sea turtle, green	E	Reptile	Yes
(<i>Chelonia mydas</i>)		Saltwater	
Sea turtle, hawksbill	E	Reptile	Yes
(<i>Eretmochelys imbricata</i>)		Saltwater, Coastal	
Sea turtle, Kemp's ridley	E	Reptile	No
(<i>Lepidochelys kempi</i>)		Saltwater, Coastal	
Sea turtle, leatherback	E	Reptile	Yes
(<i>Dermochelys coriacea</i>)		Saltwater, Coastal	
Sea turtle, loggerhead	T	Reptile	No
(<i>Caretta caretta</i>)		Saltwater, Coastal	
Crane, Whooping	E	Bird	Yes
(<i>Grus americana</i>)		Terrestrial, Freshwater	
Plover, Piping	E	Bird	Yes
(<i>Charadrius melodus</i>)		Terrestrial	
Tern, interior (population) Least	E	Bird	No
(<i>Sterna antillarum</i>)		Terrestrial	
Sturgeon, Pallid	E	Fish	No
(<i>Scaphirhynchus albus</i>)		Freshwater	
Orchid, Western Prairie Fringed	T	Monocot	No
(<i>Platanthera praeclara</i>)		Terrestrial	
Ohio	(22) species:	<u>Taxa</u>	<u>Critical Habitat</u>
Plover, Piping	E	Bird	Yes
(<i>Charadrius melodus</i>)		Terrestrial	
Fanshell	E	Bivalve	No
(<i>Cyprogenia stegaria</i>)		Freshwater	
Mucket, Pink (Pearlymussel)	E	Bivalve	No
(<i>Lampsilis abrupta</i>)		Freshwater	
Mussel, Clubshell	E	Bivalve	No
(<i>Pleurobema clava</i>)		Freshwater	
Pearlymussel, Purple Cat's Paw	E	Bivalve	No
(<i>Epioblasma obliquata obliquata</i>)		Freshwater	
Pearlymussel, White Cat's Paw	E	Bivalve	No
(<i>Epioblasma obliquata perobliqua</i>)		Freshwater	
Riffleshell, Northern	E	Bivalve	No
(<i>Epioblasma torulosa rangiana</i>)		Freshwater	
Clover, Running Buffalo	E	Dicot	No
(<i>Trifolium stoloniferum</i>)		Terrestrial	
Daisy, Lakeside	T	Dicot	No
(<i>Hymenoxys herbacea</i>)		Freshwater	
Monkshood, Northern Wild	T	Dicot	No
(<i>Aconitum noveboracense</i>)		Terrestrial	
Spiraea, Virginia	T	Dicot	No
(<i>Spiraea virginiana</i>)		Terrestrial	
Madtom, Scioto	E	Fish	No
(<i>Nolurus trautmani</i>)		Freshwater	
Beetle, American Burying	E	Insect	No
(<i>Nicrophorus americanus</i>)		Terrestrial	
Butterfly, Karner Blue	E	Insect	No
(<i>Lycaeides melissa samuelis</i>)		Terrestrial	
Butterfly, Mitchell's Satyr	E	Insect	No
(<i>Neonympha mitchellii mitchellii</i>)		Terrestrial, Perm. wetland	
Dragonfly, Hine's Emerald	E	Insect	Yes

			Terrestrial, Freshwater	
Bat, Gray	E		Mammal	No
			Terrestrial, Subterranean	
Bat, Indiana	E		Mammal	Yes
			Terrestrial, Subterranean	
Orchid, Eastern Prairie Fringed	T		Monocot	No
			Terrestrial	
Pogonia, Small Whorled	T		Monocot	No
			Terrestrial	
Snake, Lake Erie Water	T		Reptile	No
			Terrestrial, Freshwater	
Snake, Northern Copperbelly Water	T		Reptile	No
			Terrestrial, Freshwater	
Oklahoma	(18) species:		<u>Taxa</u>	<u>Critical Habitat</u>
Crane, Whooping	E		Bird	Yes
			Terrestrial, Freshwater	
Curlew, Eskimo	E		Bird	No
			Terrestrial	
Plover, Piping	E		Bird	Yes
			Terrestrial	
Tern, Interior (population) Least	E		Bird	No
			Terrestrial	
Vireo, Black-capped	E		Bird	No
			Terrestrial	
Woodpecker, Red-cockaded	E		Bird	No
			Terrestrial	
Mussel, Scaleshell	E		Bivalve	No
			Freshwater	
Rock-pocketbook, Ouachita (=Wheeler's pm)	E		Bivalve	No
			Freshwater	
Cavefish, Ozark	T		Fish	No
			Freshwater	
Darter, Leopard	T		Fish	Yes
			Freshwater	
Madtom, Neosho	T		Fish	No
			Freshwater	
Shiner, Arkansas River	T		Fish	Yes
			Freshwater	
Beetle, American Burying	E		Insect	No
			Terrestrial	
Bat, Gray	E		Mammal	No
			Terrestrial, Subterranean	
Bat, Indiana	E		Mammal	Yes
			Terrestrial, Subterranean	
Bat, Ozark Big-eared	E		Mammal	No
			Terrestrial, Subterranean	
Orchid, Eastern Prairie Fringed	T		Monocot	No
			Terrestrial	
Orchid, Western Prairie Fringed	T		Monocot	No
			Terrestrial	
Oregon	(37) species:		<u>Taxa</u>	<u>Critical Habitat</u>
Murrelet, Marbled	T		Bird	Yes
			Terrestrial, Freshwater, Saltwater	

Owl, Northern Spotted (<i>Strix occidentalis caurina</i>)	T	Bird	Yes
Pelican, Brown (<i>Pelecanus occidentalis</i>)	E	Terrestrial Bird	No
Plover, Western Snowy (<i>Charadrius alexandrinus nivosus</i>)	T	Terrestrial Bird	Yes
Fairy Shrimp, Vernal Pool (<i>Branchinecta lynchi</i>)	T	Crustacean Vernal pool	Yes
Catchfly, Spalding's (<i>Sitene spaldingii</i>)	T	Terrestrial Dicot	No
Checker-mallow, Nelson's (<i>Sidaacea nelsoniana</i>)	T	Terrestrial Dicot	No
Daisy, Willamette (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	E	Terrestrial Dicot	Yes
Four-o'clock, Macfarlane's (<i>Mirabilis macfarlanei</i>)	T	Terrestrial Dicot	No
Lomatium, Bradshaw's (<i>Lomatium bradshawii</i>)	E	Terrestrial, Freshwater Dicot	No
Lomatium, Cook's (<i>Lomatium cookii</i>)	E	Vernal pool Dicot	No
Lupine, Kincaid's (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>))	T	Terrestrial Dicot	Yes
Meadowfoam, Large-flowered Woolly (<i>Limnanthes floccosa</i> ssp. <i>Grandiflora</i>)	E	Vernal pool Dicot	No
Milk-vetch, Applegate's (<i>Astragalus applegatei</i>)	E	Terrestrial Dicot	No
Popcornflower, Rough (<i>Plagiobothrys hirtus</i>)	E	Vernal pool Dicot	No
Thelypody, Howell's Spectacular (<i>Thelypodium howellii spectabilis</i>)	T	Terrestrial Dicot	No
Chub, Hutton Tui (<i>Gila bicolor</i> ssp.)	T	Freshwater Fish	No
Chub, Oregon (<i>Oregonichthys crameri</i>)	E	Freshwater Fish	No
Dace, Fosskett Speckled (<i>Rhinichthys oscufus</i> ssp.)	T	Freshwater Fish	No
Salmon, Chum (<i>Oncorhynchus</i> (=Salmo) <i>kefa</i>)	T	Freshwater, Brackish, Saltwater Fish	Yes
Salmon, Sockeye (<i>Oncorhynchus</i> (=Salmo) <i>nerka</i>)	E	Freshwater, Brackish, Saltwater Fish	No
Steelhead (<i>Oncorhynchus</i> (=Salmo) <i>mykiss</i>)	E	Freshwater, Brackish, Saltwater Fish	Yes
Sucker, Lost River (<i>Deltistes tuxatus</i>)	E	Freshwater Fish	No
Sucker, Shortnose (<i>Chasmistes brevirostris</i>)	E	Freshwater Fish	No
Sucker, Warner (<i>Catostomus warnerensis</i>)	T	Freshwater Fish	Yes
Trout, Bull (<i>Salvelinus confluentus</i>)	T	Freshwater Fish	Yes
Butterfly, Fender's Blue (<i>Icaricia icaroides fenderi</i>)	E	Terrestrial Insect	Yes
Butterfly, Oregon Silverspot	T	Insect	Yes

(<i>Speyeria zerene hippolyta</i>)		Terrestrial	
Deer, Columbian White-tailed (<i>Odocoileus virginianus leucurus</i>)	E	Mammal	No
Sea-lion, Steller (eastern) (<i>Eumetopias jubatus</i>)	T	Marine mml Saltwater, Coastal	Yes
Whale, Humpback (<i>Megaptera novaeangliae</i>)	E	Marine mml Saltwater	No
Whale, North Pacific right (<i>Eubalaena japonica</i>)	E	Marine mml Saltwater	Yes
Fritillary, Gentner's (<i>Fritillaria gentneri</i>)	E	Monocot Terrestrial	No
Lily, Western (<i>Lilium occidentale</i>)	E	Monocot Terrestrial	No
Sea turtle, green (<i>Chelonia mydas</i>)	E	Reptile Saltwater	Yes
Sea turtle, leatherback (<i>Dermochelys coriacea</i>)	E	Reptile Saltwater, Coastal	Yes
Sea turtle, loggerhead (<i>Caretta caretta</i>)	T	Reptile Saltwater, Coastal	No
Pennsylvania (8) species:		Taxa	Critical Habitat
Plover, Piping (<i>Charadrius melodus</i>)	E	Bird Terrestrial	Yes
Mussel, Clubshell (<i>Pleurobema clava</i>)	E	Bivalve Freshwater	No
Riffleshell, Northern (<i>Epioblasma torulosa rangiana</i>)	E	Bivalve Freshwater	No
Bat, Indiana (<i>Myotis sodalis</i>)	E	Mammal Terrestrial, Subterraneous	Yes
Squirrel, Delmarva Peninsula Fox (<i>Sciurus niger cinereus</i>)	E	Mammal Terrestrial	No
Bulrush, Northeastern (=Barbed Bristle) (<i>Scirpus ancistrochaetus</i>)	E	Monocot Terrestrial, Freshwater	No
Pogonia, Small Whorled (<i>Isotria medeoloides</i>)	T	Monocot Terrestrial	No
Turtle, Bog (Northern population) (<i>Clemmys mühlenbergii</i>)	T	Reptile Terrestrial, Freshwater	No
Puerto Rico (68) species:		Taxa	Critical Habitat
Coqui, Golden (<i>Ejetherodactylus jasperii</i>)	T	Amphibian Terrestrial, Freshwater	Yes
Guañon (<i>Ejetherodactylus cookii</i>)	T	Amphibian Terrestrial, Freshwater	Yes
Toad, Puerto Rican Crested (<i>Peltophryne lemur</i>)	T	Amphibian Terrestrial, Freshwater	No
Blackbird, Yellow-shouldered (<i>Agelaius xanthomus</i>)	E	Bird Terrestrial	Yes
Hawk, Puerto Rican Broad-winged (<i>Buteo platypterus brunnescens</i>)	E	Bird Terrestrial	No
Hawk, Puerto Rican Sharp-shinned (<i>Accipiter striatus venator</i>)	E	Bird Terrestrial	No
Nighthawk, Puerto Rico (<i>Caprimulgus noctitherus</i>)	E	Bird Terrestrial	No
Parrot, Puerto Rican (<i>Amazona vittata</i>)	E	Bird Terrestrial	No

Pelican, Brown (<i>Pelecanus occidentalis</i>)	E	Terrestrial	Bird	No
Pigeon, Puerto Rican Plain (<i>Columba inornata wetmorei</i>)	E	Terrestrial	Bird	No
Plover, Piping (<i>Charadrius melodus</i>)	E	Terrestrial	Bird	Yes
Tern, Roseate (<i>Sterna dougallii dougallii</i>)	E	Terrestrial	Bird	No
Auerodendron pauciflorum (ncn) (<i>Auerodendron pauciflorum</i>)	E	Terrestrial	Dicot	No
Bariaco (<i>Trichilia triacantha</i>)	E	Terrestrial	Dicot	No
Boxwood, Vahl's (<i>Buxus vahlia</i>)	E	Terrestrial	Dicot	No
Calyptranthes Thomasiana (ncn) (<i>Calyptranthes thomasiana</i>)	E	Terrestrial	Dicot	No
Capa Rosa (<i>Callicarpa ampla</i>)	E	Terrestrial	Dicot	No
Catesbaea Melanocarpa (ncn) (<i>Catesbaea melanocarpa</i>)	E	Terrestrial	Dicot	No
Chamaecrista glandulosa (ncn) (<i>Chamaecrista glandulosa var. mirabilis</i>)	E	Terrestrial	Dicot	No
Chumbo, Higo (<i>Harrisia portoricensis</i>)	T	Terrestrial	Dicot	No
Chupacallos (<i>Pleodendron macranthum</i>)	E	Terrestrial	Dicot	No
Cobana Negra (<i>Stahlia monosperma</i>)	T	Terrestrial	Dicot	No
Cordia bellonis (ncn) (<i>Cordia bellonis</i>)	E	Terrestrial	Dicot	No
Daphnopsis hellerana (ncn) (<i>Daphnopsis hellerana</i>)	E	Terrestrial	Dicot	No
Erubia (<i>Solanum drymophilum</i>)	E	Terrestrial	Dicot	No
Eugenia Woodburyana (<i>Eugenia woodburyana</i>)	E	Terrestrial	Dicot	No
Gesneria pauciflora (ncn) (<i>Gesneria pauciflora</i>)	T	Terrestrial	Dicot	No
Goetzea, Beautiful (Matabuey) (<i>Goetzea elegans</i>)	E	Terrestrial	Dicot	No
Higuero De Sierra (<i>Crescentia portoricensis</i>)	E	Terrestrial	Dicot	No
Holly, Cook's (<i>Ilex cookii</i>)	E	Terrestrial	Dicot	No
Ilex sintensisii (ncn) (<i>Ilex sintensisii</i>)	E	Terrestrial	Dicot	No
Lyonia truncata var. proctorii (ncn) (<i>Lyonia truncata var. proctorii</i>)	E	Terrestrial	Dicot	No
Mitracarpus Maxwelliae (<i>Mitracarpus maxwelliae</i>)	E	Terrestrial	Dicot	No
Mitracarpus Polycladus (<i>Mitracarpus polycladus</i>)	E	Terrestrial	Dicot	No
Myrcia Paganii	E		Dicot	No

			Terrestrial	
	(<i>Myrcia paganii</i>)			
Palo Colorado (Ternstroemia luquillensis)	E		Dicot	No
	(<i>Ternstroemia luquillensis</i>)		Terrestrial	
Palo de Jazmin	E		Dicot	No
	(<i>Silyrax portoricensis</i>)		Terrestrial	
Palo de Nigua	E		Dicot	No
	(<i>Cornutia obovata</i>)		Terrestrial	
Palo de Ramon	E		Dicot	No
	(<i>Banara vanderbiltii</i>)		Terrestrial	
Palo de Rosa	E		Dicot	No
	(<i>Olioschulzia rhodoxylon</i>)		Terrestrial	
Peperomia, Wheeler's	E		Dicot	No
	(<i>Peperomia wheeleri</i>)		Terrestrial	
Prickly-ash, St. Thomas	E		Dicot	No
	(<i>Zanthoxylum thomasianum</i>)		Terrestrial	
Schoepfia arenaria (ncn)	T		Dicot	No
	(<i>Schoepfia arenaria</i>)		Terrestrial	
Ternstroemia subsessilis (ncn)	E		Dicot	No
	(<i>Ternstroemia subsessilis</i>)		Terrestrial	
Uvillo	E		Dicot	No
	(<i>Eugenia haemalocarpa</i>)		Terrestrial	
Vernonia Proctorii (ncn)	E		Dicot	No
	(<i>Vernonia proctorii</i>)		Terrestrial	
Walnut, Nogal	E		Dicot	No
	(<i>Juglans jamaicensis</i>)		Terrestrial	
Fern, Adiantum vivesii	E		Ferns	No
	(<i>Adiantum vivesii</i>)		Terrestrial	
Fern, Elaphoglossum serpens	E		Ferns	No
	(<i>Elaphoglossum serpens</i>)		Terrestrial	
Fern, Thelypteris inabonensis	E		Ferns	No
	(<i>Thelypteris inabonensis</i>)		Terrestrial	
Fern, Thelypteris verecunda	E		Ferns	No
	(<i>Thelypteris verecunda</i>)		Terrestrial	
Fern, Thelypteris yaucoensis	E		Ferns	No
	(<i>Thelypteris yaucoensis</i>)		Terrestrial	
Polystichum calderonense (ncn)	E		Ferns	No
	(<i>Polystichum calderonense</i>)		Terrestrial	
Tectaria Estremerana	E		Ferns	No
	(<i>Tectaria estremerana</i>)		Terrestrial	
Tree Fern, Elfin	E		Ferns	No
	(<i>Cyathea dryopteroides</i>)		Terrestrial	
Manatee, West Indian	E		Marine mml	Yes
	(<i>Trichechus manatus</i>)		Saltwater	
Aristida chaseae (ncn)	E		Monocot	No
	(<i>Aristida chaseae</i>)		Terrestrial	
Cranichis Ricartii	E		Monocot	No
	(<i>Cranichis ricartii</i>)		Terrestrial	
Lepanthes elforensis (ncn)	E		Monocot	No
	(<i>Lepanthes elforensis</i>)		Terrestrial	
Manaca, palma de	T		Monocot	No
	(<i>Catylpronoma rivalis</i>)		Terrestrial	
Pelos del Diablo	E		Monocot	No
	(<i>Aristida portoricensis</i>)		Terrestrial	

Boa, Mona (<i>Epicrates monensis monensis</i>)	T	Reptile Terrestrial	Yes
Boa, Puerto Rican (<i>Epicrates inornatus</i>)	E	Reptile Terrestrial	No
Gecko, Monito (<i>Sphaerodactylus micropithecus</i>)	E	Reptile Terrestrial	Yes
Iguana, Mona Ground (<i>Cyclura cornuta stejnegeri</i>)	T	Reptile Terrestrial	Yes
Sea turtle, green (<i>Chelonia mydas</i>)	E	Reptile Saltwater	Yes
Sea turtle, hawksbill (<i>Eretmochelys imbricata</i>)	E	Reptile Saltwater, Coastal	Yes
Sea turtle, leatherback (<i>Dermochelys coriacea</i>)	E	Reptile Saltwater, Coastal	Yes
Rhode Island (13) species:		Taxa	Critical Habitat
Plover, Piping (<i>Charadrius melodus</i>)	E	Bird Terrestrial	Yes
Gerardia, Sandplain (<i>Agalinitis acuta</i>)	E	Dicot Terrestrial	No
Sturgeon, Shortnose (<i>Acipenser brevirostrum</i>)	E	Fish Freshwater, Saltwater	No
Beetle, American Burying (<i>Nicrophorus americanus</i>)	E	Insect Terrestrial	No
Bat, Indiana (<i>Myotis sodalis</i>)	E	Mammal Terrestrial, Subterraneous	Yes
Whale, Finback (<i>Balaenoptera physatus</i>)	E	Marine mml Saltwater	No
Whale, Humpback (<i>Megaptera novaeangliae</i>)	E	Marine mml Saltwater	No
Whale, North Atlantic right (<i>Eubalaena glacialis (incl. australis)</i>)	E	Marine mml Saltwater	Yes
Pogonia, Small Whorled (<i>Isotria medeoloides</i>)	T	Monocot Terrestrial	No
Sea turtle, hawksbill (<i>Eretmochelys imbricata</i>)	E	Reptile Saltwater, Coastal	Yes
Sea turtle, Kemp's ridley (<i>Leptochelys kempii</i>)	E	Reptile Saltwater, Coastal	No
Sea turtle, leatherback (<i>Dermochelys coriacea</i>)	E	Reptile Saltwater, Coastal	Yes
Sea turtle, loggerhead (<i>Caretta caretta</i>)	T	Reptile Saltwater, Coastal	No
South Carolina (39) species:		Taxa	Critical Habitat
Salamander, Flatwoods (<i>Ambystoma cingulatum</i>)	T	Amphibian Terrestrial, Freshwater, Vernal pool	No
Plover, Piping (<i>Charadrius melodus</i>)	E	Bird Terrestrial	Yes
Stork, Wood (<i>Mycteria americana</i>)	E	Bird Terrestrial	No
Warbler, Bachman's (<i>Vermivora bachmanii</i>)	E	Bird Terrestrial	No
Woodpecker, Red-cockaded (<i>Picoides borealis</i>)	E	Bird Terrestrial	No
Mussel, Heelsplitter Carolina	E	Bivalve	Yes

(<i>Lasmigona decorata</i>)		Freshwater	
Amaranth, Seabeach	T	Dicot	No
(<i>Amaranthus pumilus</i>)		Coastal	
Amphianthus, Little	T	Dicot	No
(<i>Amphianthus pusillus</i>)		Freshwater	
Chaffseed, American	E	Dicot	No
(<i>Schwalbea americana</i>)		Terrestrial	
Coneflower, Smooth	E	Dicot	No
(<i>Echinacea laevigata</i>)		Terrestrial	
Dropwort, Canby's	E	Dicot	No
(<i>Oxypolis canbyi</i>)		Terrestrial, Freshwater	
Gooseberry, Miccosukee	T	Dicot	No
(<i>Ribes echinellum</i>)		Terrestrial	
Harperiella	E	Dicot	No
(<i>Ptilimnium nodosum</i>)		Freshwater	
Heartleaf, Dwarf-flowered	T	Dicot	No
(<i>Hexastylis naniflora</i>)		Terrestrial	
Loosestrife, Rough-leaved	E	Dicot	No
(<i>Lysimachia asperulaefolia</i>)		Terrestrial	
Pitcher-plant, Mountain Sweet	E	Dicot	No
(<i>Sarracenia rubra ssp. jonesii</i>)		Terrestrial, Freshwater	
Pondberry	E	Dicot	No
(<i>Lindera melissifolia</i>)		Terrestrial	
Sunflower, Schweinitz's	E	Dicot	No
(<i>Helianthus schweinitzii</i>)		Terrestrial	
Quillwort, Black-spored	E	Ferns	No
(<i>Isoetes melanospora</i>)		Vernal pool	
Sturgeon, Shortnose	E	Fish	No
(<i>Acipenser brevirostrum</i>)		Freshwater, Saltwater	
Lichen, Rock Gnome	E	Lichen	No
(<i>Gymnoderma lineare</i>)		Terrestrial	
Bat, Indiana	E	Mammal	Yes
(<i>Myotis sodalis</i>)		Terrestrial, Subterranean	
Wolf, Red	E	Mammal	No
(<i>Canis rufus</i>)		Terrestrial	
Manatee, West Indian	E	Marine mmi	Yes
(<i>Trichechus manatus</i>)		Saltwater	
Whale, Finback	E	Marine mmi	No
(<i>Balaenoptera physalus</i>)		Saltwater	
Whale, Humpback	E	Marine mmi	No
(<i>Megaptera novaeangliae</i>)		Saltwater	
Whale, North Atlantic right	E	Marine mmi	Yes
(<i>Eubalaena glacialis (incl. australis)</i>)		Saltwater	
Arrowhead, Bunched	E	Monocot	No
(<i>Sagittaria fasciculata</i>)		Freshwater	
Irisette, White	E	Monocot	No
(<i>Sisyrinchium dichotomum</i>)		Terrestrial	
Pink, Swamp	T	Monocot	No
(<i>Helonias bullata</i>)		Terrestrial, Freshwater	
Pogonia, Small Whoiled	T	Monocot	No
(<i>Isotria medeoloides</i>)		Terrestrial	
Trillium, Persistent	E	Monocot	No
(<i>Trillium persistens</i>)		Terrestrial	

Trillium, Relict (<i>Trillium retiquum</i>)	E	Monocot	No
Sea turtle, green (<i>Chelonia mydas</i>)	E	Terrestrial Reptile	Yes
Sea turtle, hawksbill (<i>Eretmochelys imbricata</i>)	E	Saltwater Reptile	Yes
Sea turtle, Kemp's ridley (<i>Lepidochelys kempii</i>)	E	Saltwater, Coastal Reptile	No
Sea turtle, leatherback (<i>Dermochelys coriacea</i>)	E	Saltwater, Coastal Reptile	Yes
Sea turtle, loggerhead (<i>Caretta caretta</i>)	T	Saltwater, Coastal Reptile	No
Snake, Eastern Indigo (<i>Drymarchon corais couperi</i>)	T	Terrestrial Reptile	Yes
South Dakota (8) species:		Taxa	Critical Habitat
Crane, Whooping (<i>Grus americana</i>)	E	Bird	Yes
Plover, Piping (<i>Charadrius melodus</i>)	E	Terrestrial, Freshwater Bird	Yes
Tern, Interior (population) Least (<i>Sterna antillarum</i>)	E	Terrestrial Bird	No
Shiner, Topeka (<i>Notropis topeka (=tristis)</i>)	E	Terrestrial Fish	Yes
Sturgeon, Pallid (<i>Scaphirhynchus albus</i>)	E	Freshwater Fish	No
Beetle, American Burying (<i>Nicrophorus americanus</i>)	E	Terrestrial Insect	No
Ferret, Black-footed (<i>Mustela nigripes</i>)	E	Terrestrial Mammal	No
Orchid, Western Prairie Fringed (<i>Platanthera praecox</i>)	T	Terrestrial Monocot	No
Tennessee (86) species:		Taxa	Critical Habitat
Spider, Spruce-fir Moss (<i>Microhexura montivaga</i>)	E	Arachnid	Yes
Stork, Wood (<i>Mycteria americana</i>)	E	Terrestrial Bird	No
Tern, Interior (population) Least (<i>Sterna antillarum</i>)	E	Terrestrial Bird	No
Woodpecker, Red-cockaded (<i>Picoides borealis</i>)	E	Terrestrial Bird	No
Combshell, Upland (<i>Epioblasma metastriata</i>)	E	Freshwater Bivalve	Yes
Fanshell (<i>Cyprogenia stegaria</i>)	E	Freshwater Bivalve	No
Kidneyshell, Triangular (<i>Ptychobranthus greenii</i>)	E	Freshwater Bivalve	Yes
Mucket, Pink (Pearlymussel) (<i>Lampsilis abrupta</i>)	E	Freshwater Bivalve	No
Mussel, Alabama Moccasinshell (<i>Medionidus acutissimus</i>)	T	Freshwater Bivalve	Yes
Mussel, Clubshell (<i>Pteurobema clava</i>)	E	Freshwater Bivalve	No
Mussel, Coosa Moccasinshell	E	Bivalve	Yes

			Freshwater	
Mussel, Cumberland Combshell	E		Bivalve	Yes
			Freshwater	
Mussel, Cumberland Elktoe	E		Bivalve	Yes
			Freshwater	
Mussel, Cumberland Pigtoe	E		Bivalve	No
			Freshwater	
Mussel, Fine-lined Pocketbook	T		Bivalve	Yes
			Freshwater	
Mussel, Fine-rayed Pigtoe	E		Bivalve	No
			Freshwater	
Mussel, Ovate Clubshell	E		Bivalve	Yes
			Freshwater	
Mussel, Oyster	E		Bivalve	Yes
			Freshwater	
Mussel, Ring Pink (=Golf Stick Pearly)	E		Bivalve	No
			Freshwater	
Mussel, Rough Pigtoe	E		Bivalve	No
			Freshwater	
Mussel, Shiny Pigtoe	E		Bivalve	No
			Freshwater	
Mussel, Southern Pigtoe	E		Bivalve	Yes
			Freshwater	
Pearlymussel, Alabama Lamp	E		Bivalve	No
			Freshwater	
Pearlymussel, Appalachian Monkeyface	E		Bivalve	No
			Freshwater	
Pearlymussel, Birdwing	E		Bivalve	No
			Freshwater	
Pearlymussel, Cracking	E		Bivalve	No
			Freshwater	
Pearlymussel, Cumberland Bean	E		Bivalve	No
			Freshwater	
Pearlymussel, Cumberland Monkeyface	E		Bivalve	No
			Freshwater	
Pearlymussel, Dromedary	E		Bivalve	No
			Freshwater	
Pearlymussel, Green-blossom	E		Bivalve	No
			Freshwater	
Pearlymussel, Little-wing	E		Bivalve	No
			Freshwater	
Pearlymussel, Orange-footed	E		Bivalve	No
			Freshwater	
Pearlymussel, Pale Lilliput	E		Bivalve	No
			Freshwater	
Pearlymussel, Purple Cat's Paw	E		Bivalve	No
			Freshwater	
Pearlymussel, Tubercled-blossom	E		Bivalve	No
			Freshwater	
Pearlymussel, Turgid-blossom	E		Bivalve	No
			Freshwater	
Pearlymussel, White Wartyback	E		Bivalve	No
			Freshwater	

Pearlymussel, Yellow-blossom (<i>Epioblasma florentina florentina</i>)	E	Bivalve	No
Purple Bean (<i>Villosa perpurpurea</i>)	E	Bivalve	Yes
Rabbitsfoot, Rough (<i>Quadrula cylindrica strigillata</i>)	E	Bivalve	Yes
Riffleshell, Tan (<i>Epioblasma florentina walkeri</i> (=E. walkeri))	E	Bivalve	No
Crayfish, Nashville (<i>Orconectes shoupi</i>)	E	Crustacean	No
Aster, Ruth's Golden (<i>Pityopsis ruthii</i>)	E	Dicot	No
Avens, Spreading (<i>Geum radiale</i>)	E	Dicot	No
Bladderpod, Spring Creek (<i>Lesquerella perforata</i>)	E	Dicot	No
Bluet, Roan Mountain (<i>Hedyotis purpurea</i> var. <i>montana</i>)	E	Dicot	No
Chaffseed, American (<i>Schwalbea americana</i>)	E	Dicot	No
Clover, Leafy Prairie (<i>Datea foliosa</i>)	E	Dicot	No
Coneflower, Tennessee Purple (<i>Echinacea tennesseensis</i>)	E	Dicot	No
Goldenrod, Blue Ridge (<i>Solidago spithamea</i>)	T	Dicot	No
Ground-plum, Guthrie's (<i>Astragalus bibullatus</i>)	E	Dicot	No
Pitcher-plant, Green (<i>Sarracenia oreophila</i>)	E	Dicot	No
Potato-bean, Price's (<i>Apios priceana</i>)	T	Dicot	No
Rock-cress, Braun's (<i>Arabis perstellata</i> E. L. Braun var. <i>ampta</i> Rollins)	E	Dicot	Yes
Rock-cress, Small (<i>Arabis perstellata</i> E. L. Braun var. <i>perstellata</i> Fernald)	E	Dicot	Yes
Rosemary, Cumberland (<i>Conradina verticillata</i>)	T	Dicot	No
Sandwort, Cumberland (<i>Arenaria cumberlandensis</i>)	E	Dicot	No
Skullcap, Large-flowered (<i>Scutellaria montana</i>)	T	Dicot	No
Spiraea, Virginia (<i>Spiraea virginiana</i>)	T	Dicot	No
Fern, American hart's-tongue (<i>Asplenium scolopendrium</i> var. <i>americanum</i>)	T	Ferns	No
Chub, Slender (<i>Erimystax cahnii</i>)	T	Fish	Yes
Chub, Spotfin (<i>Erimonax monachus</i>)	T	Fish	Yes
Dace, Blackside (<i>Phoxinus cumberlandensis</i>)	T	Fish	No
Darter, Amber	E	Fish	Yes

(<i>Percina antesella</i>)		Freshwater	
Darter, Bluemask (=jewel)	E	Freshwater	Fish No
(<i>Etheostoma sp.</i>)		Freshwater	
Darter, Boulder	E	Freshwater	Fish No
(<i>Etheostoma wapiti</i>)		Freshwater	
Darter, Duskytail	E	Freshwater	Fish No
(<i>Etheostoma percnurum</i>)		Freshwater	
Darter, Slackwater	T	Freshwater	Fish Yes
(<i>Etheostoma boschungii</i>)		Freshwater	
Darter, Snail	T	Freshwater	Fish No
(<i>Percina tanasi</i>)		Freshwater	
Logperch, Conasauga	E	Freshwater	Fish Yes
(<i>Percina jenkinsi</i>)		Freshwater	
Madtom, Pygmy	E	Freshwater	Fish No
(<i>Noturus stanauli</i>)		Freshwater	
Madtom, Smoky	E	Freshwater	Fish Yes
(<i>Noturus baileyi</i>)		Freshwater	
Madtom, Yellowfin	T	Freshwater	Fish Yes
(<i>Noturus flavipinnis</i>)		Freshwater	
Shiner, Blue	T	Freshwater	Fish No
(<i>Cyprinella caerulea</i>)		Freshwater	
Shiner, Palezone	E	Freshwater	Fish No
(<i>Notropis albizonatus</i>)		Freshwater	
Sturgeon, Pallid	E	Freshwater	Fish No
(<i>Scaphirhynchus albus</i>)		Freshwater	
Marstonia, Royal (=Royal Snail)	E	Terrestrial	Gastropod No
(<i>Pyrgulopsis ogmorhapha</i>)		Terrestrial	
Riversnail, Anthony's	E	Freshwater	Gastropod No
(<i>Athearnia anthonyi</i>)		Freshwater	
Snail, Painted Snake Coiled Forest	T	Terrestrial	Gastropod No
(<i>Anguispira picta</i>)		Terrestrial	
Lichen, Rock Gnome	E	Terrestrial	Lichen No
(<i>Gymnoderma tineare</i>)		Terrestrial	
Bat, Gray	E	Terrestrial, Subterraneous	Mammal No
(<i>Myotis grisescens</i>)		Terrestrial, Subterraneous	
Bat, Indiana	E	Terrestrial, Subterraneous	Mammal Yes
(<i>Myotis sodatis</i>)		Terrestrial, Subterraneous	
Squirrel, Carolina Northern Flying	E	Terrestrial	Mammal No
(<i>Glaucomys sabrinus coloratus</i>)		Terrestrial	
Wolf, Red	E	Terrestrial	Mammal No
(<i>Canis rufus</i>)		Terrestrial	
Grass, Tennessee Yellow-eyed	E	Terrestrial	Monocot No
(<i>Xyris tennesseensis</i>)		Terrestrial	
Pogonia, Small Whorled	T	Terrestrial	Monocot No
(<i>Isotria medeoloides</i>)		Terrestrial	
Texas	(89) species:	Taxa	Critical Habitat
Salamander, Barton Springs	E	Terrestrial, Freshwater	Amphibian No
(<i>Eurycea sosorum</i>)		Terrestrial, Freshwater	
Salamander, San Marcos	T	Terrestrial, Freshwater	Amphibian Yes
(<i>Eurycea nana</i>)		Terrestrial, Freshwater	
Salamander, Texas Blind	E	Freshwater, Subterraneous	Amphibian No
(<i>Typhlomolge rathbuni</i>)		Freshwater, Subterraneous	
Toad, Houston	E	Terrestrial	Amphibian Yes

(<i>Bufo houstonensis</i>)		Terrestrial, Freshwater	
Harvestman, Bee Creek Cave	E	Arachnid	No
(<i>Texella reddellii</i>)		Terrestrial, Subterranean	
Harvestman, Bone Cave	E	Arachnid	No
(<i>Texella reyesi</i>)		Terrestrial, Subterranean	
Harvestman, Robber Baron Cave	E	Arachnid	Yes
(<i>Texella cokendalpheni</i>)		Terrestrial, Subterranean	
Meshweaver, Braken Bat Cave	E	Arachnid	Yes
(<i>Cicurina venii</i>)		Terrestrial, Subterranean	
Pseudoscorpion, Tooth Cave	E	Arachnid	No
(<i>Tartarocreagnis texana</i>)		Terrestrial, Subterranean	
Spider, Government Canyon Cave	E	Arachnid	No
(<i>Neoleptoneta microps</i>)		Terrestrial, Subterranean	
Spider, Madla's Cave	E	Arachnid	Yes
(<i>Cicurina madla</i>)		Terrestrial, Subterranean	
Spider, Robber Baron Cave	E	Arachnid	Yes
(<i>Cicurina baronia</i>)		Terrestrial, Subterranean	
Spider, Tooth Cave	E	Arachnid	No
(<i>Leptoneta myopica</i>)		Terrestrial, Subterranean	
Spider, Vesper Cave	E	Arachnid	Yes
(<i>Cicurina vespera</i>)		Terrestrial, Subterranean	
Crane, Whooping	E	Bird	Yes
(<i>Grus americana</i>)		Terrestrial, Freshwater	
Curlew, Eskimo	E	Bird	No
(<i>Numenius borealis</i>)		Terrestrial	
Falcon, Northern Aplomado	E	Bird	No
(<i>Falco femoralis septentrionalis</i>)		Terrestrial	
Flycatcher, Southwestern Willow	E	Bird	Yes
(<i>Empidonax traillii eximius</i>)		Terrestrial	
Owl, Mexican Spotted	T	Bird	Yes
(<i>Strix occidentalis lucida</i>)		Terrestrial	
Pelican, Brown	E	Bird	No
(<i>Pelecanus occidentalis</i>)		Terrestrial	
Plover, Piping	E	Bird	Yes
(<i>Charadrius melodus</i>)		Terrestrial	
Prairie-chicken, Attwater's Greater	E	Bird	No
(<i>Tympanuchus cupido attwateri</i>)		Terrestrial	
Tern, Interior (population) Least	E	Bird	No
(<i>Sterna antillarum</i>)		Terrestrial	
Vireo, Black-capped	E	Bird	No
(<i>Vireo atricapilla</i>)		Terrestrial	
Warbler (=Wood), Golden-cheeked	E	Bird	No
(<i>Dendroica chrysoparia</i>)		Terrestrial	
Woodpecker, Red-cockaded	E	Bird	No
(<i>Picoides borealis</i>)		Terrestrial	
Amphipod, Peck's Cave	E	Crustacean	No
(<i>Stygobromus (=Stygonecles) peckii</i>)		Freshwater, Subterranean	
Ambrosia, South Texas	E	Dicot	No
(<i>Ambrosia cheiranthifolia</i>)		Terrestrial	
Ayenia, Texas	E	Dicot	No
(<i>Ayenia limitaris</i>)		Terrestrial	
Bladderpod, White	E	Dicot	No
(<i>Lesquerella paljida</i>)		Terrestrial	

Bladderpod, Zapata (<i>Lesquerella thamnophila</i>)	E	Terrestrial	Dicot	Yes
Cactus, Black Lace (<i>Echinocereus reichenbachii</i> var. <i>albertii</i>)	E	Terrestrial	Dicot	No
Cactus, Bunched Cory (<i>Coryphantha ramiflora</i>)	T	Terrestrial	Dicot	No
Cactus, Chisos Mountain Hedgehog (<i>Echinocereus chisoensis</i> var. <i>chisoensis</i>)	T	Terrestrial	Dicot	No
Cactus, Lloyd's Mariposa (<i>Echinomastus mariposensis</i>)	T	Terrestrial	Dicot	No
Cactus, Nellie Cory (<i>Coryphantha minima</i>)	E	Terrestrial	Dicot	No
Cactus, Sneed Pincushion (<i>Coryphantha sneedii</i> var. <i>sneedii</i>)	E	Terrestrial	Dicot	No
Cactus, Star (<i>Astrophytum asterias</i>)	E	Terrestrial	Dicot	No
Cactus, Tobusch Fishhook (<i>Ancistrocactus tobuschii</i>)	E	Terrestrial	Dicot	No
Cat's-eye, Terlingua Creek (<i>Cryptantha crassipes</i>)	E	Terrestrial	Dicot	No
Dawn-flower, Texas Prairie (=Texas Bitterweed) (<i>Hymenoxys texana</i>)	E	Terrestrial	Dicot	No
Dogweed, Ashy (<i>Thymophylla tephroleuca</i>)	E	Terrestrial	Dicot	No
Frankenia, Johnston's (<i>Frankenia johnstonii</i>)	E	Terrestrial	Dicot	No
Fruit, Earth (=geocarpon) (<i>Geocarpon minimum</i>)	T	Terrestrial	Dicot	No
Manioc, Walker's (<i>Manihot walkerae</i>)	E	Terrestrial	Dicot	No
Oak, Hinckley (<i>Quercus hinckleyi</i>)	T	Terrestrial	Dicot	No
Phlox, Texas Trailing (<i>Phlox nivalis</i> ssp. <i>texensis</i>)	E	Terrestrial	Dicot	No
Pitaya, Davis' Green (<i>Echinocereus viridiflorus</i> var. <i>davisii</i>)	E	Terrestrial	Dicot	No
Poppy-mallow, Texas (<i>Callirhoe scabriuscula</i>)	E	Terrestrial	Dicot	No
Rush-pea, Slender (<i>Hoffmannseggia tenella</i>)	E	Terrestrial	Dicot	No
Sand-verbena, Large-fruited (<i>Abronia macrocarpa</i>)	E	Terrestrial	Dicot	No
Snowbells, Texas (<i>Styrax texanus</i>)	E	Terrestrial	Dicot	No
Sunflower, Pecos (<i>Helianthus paradoxus</i>)	T	Terrestrial, Perm. wetland	Dicot	Yes
Wild-buckwheat, Gypsum (<i>Eriogonum gypsophilum</i>)	T	Terrestrial	Dicot	Yes
Darter, Fountain (<i>Etheostoma fonticola</i>)	E	Freshwater	Fish	Yes
Gambusia, Big Bend (<i>Gambusia galgei</i>)	E	Freshwater	Fish	No
Gambusia, Clear Creek	E	Freshwater	Fish	No

(<i>Gambusia heterochir</i>)		Freshwater	
Gambusia, Pecos	E	Freshwater	Fish No
(<i>Gambusia nobilis</i>)		Freshwater	
Gambusia, San Marcos	E	Freshwater	Fish Yes
(<i>Gambusia georgei</i>)		Freshwater	
Minnow, Devils River	T	Freshwater	Fish No
(<i>Dionda diabolii</i>)		Freshwater	
Pupfish, Comanche Springs	E	Freshwater	Fish No
(<i>Cyprinodon elegans</i>)		Freshwater	
Pupfish, Leon Springs	E	Freshwater	Fish Yes
(<i>Cyprinodon bovinus</i>)		Freshwater	
Shiner, Arkansas River	T	Freshwater	Fish Yes
(<i>Notropis girardi</i>)		Freshwater	
Snail, Pecos Assiminea	E	Freshwater	Gastropod Yes
(<i>Assiminea pecos</i>)		Freshwater	
Beetle, American Burying	E	Terrestrial	Insect No
(<i>Nicrophorus americanus</i>)		Terrestrial	
Beetle, Coffin Cave Mold	E	Subterranean	Insect No
(<i>Batrissodes texanus</i>)		Subterranean	
Beetle, Comal Springs Dryopid	E	Freshwater, Subterranean	Insect No
(<i>Stygoparnus comalensis</i>)		Freshwater, Subterranean	
Beetle, Comal Springs Riffle	E	Freshwater, Subterranean	Insect No
(<i>Heterelmis comalensis</i>)		Freshwater, Subterranean	
Beetle, Helotes Mold	E	Subterranean	Insect Yes
(<i>Batrissodes ventyivi</i>)		Subterranean	
Beetle, Kretschmarr Cave Mold	E	Subterranean	Insect No
(<i>Texamaurops reddellii</i>)		Subterranean	
Beetle, Tooth Cave Ground	E	Subterranean	Insect No
(<i>Rhadine persephone</i>)		Subterranean	
Rhadine exilis (ncn)	E	Terrestrial, Subterranean	Insect Yes
(<i>Rhadine exilis</i>)		Terrestrial, Subterranean	
Rhadine infernalis (ncn)	E	Terrestrial, Subterranean	Insect Yes
(<i>Rhadine infernalis</i>)		Terrestrial, Subterranean	
Bat, Mexican Long-nosed	E	Terrestrial, Subterranean	Mammal No
(<i>Leptonycteris nivalis</i>)		Terrestrial, Subterranean	
Bear, Louisiana Black	T	Terrestrial	Mammal No
(<i>Ursus americanus tuteotus</i>)		Terrestrial	
Jaguar	E	Terrestrial	Mammal No
(<i>Panthera onca</i>)		Terrestrial	
Jaguarundi, Gulf Coast	E	Terrestrial	Mammal No
(<i>Herpailurus (=Felis) yagouaroundi cacomilfi</i>)		Terrestrial	
Jaguarundi, Sinaloa	E	Terrestrial	Mammal No
(<i>Herpailurus (=Felis) yagouaroundi loiteca</i>)		Terrestrial	
Ocelot	E	Terrestrial	Mammal No
(<i>Leopardus (=Felis) pardalis</i>)		Terrestrial	
Whale, Finback	E	Saltwater	Marine mml No
(<i>Balaenoptera physalus</i>)		Saltwater	
Whale, Humpback	E	Saltwater	Marine mml No
(<i>Megaptera novaeangliae</i>)		Saltwater	
Ladies'-tresses, Navasota	E	Terrestrial	Monocot No
(<i>Spiranthes parksii</i>)		Terrestrial	
Wild-rice, Texas	E	Freshwater	Monocot Yes
(<i>Zizania texana</i>)		Freshwater	

Sea turtle, green (<i>Chelonia mydas</i>)	E	Reptile	Yes
Sea turtle, hawksbill (<i>Eretmochelys imbricata</i>)	E	Saltwater, Coastal Reptile	Yes
Sea turtle, Kemp's ridley (<i>Lepidochelys kempii</i>)	E	Saltwater, Coastal Reptile	No
Sea turtle, leatherback (<i>Dermochelys coriacea</i>)	E	Saltwater, Coastal Reptile	Yes
Sea turtle, loggerhead (<i>Caretta caretta</i>)	T	Saltwater, Coastal Reptile	No
Snake, Concho Water (<i>Nerodia paucimaculata</i>)	T	Terrestrial, Freshwater Reptile	Yes
Utah (33) species:		Taxa	Critical Habitat
Flycatcher, Southwestern Willow (<i>Empidonax traillii extimus</i>)	E	Bird Terrestrial	Yes
Owl, Mexican Spotted (<i>Strix occidentalis lucida</i>)	T	Bird Terrestrial	Yes
Bearclaw poppy, Owarf (<i>Arctomecon humilis</i>)	E	Dicot Terrestrial	No
Buttercup, Autumn (<i>Ranunculus aestivalis (=acriformis)</i>)	E	Dicot Terrestrial	No
Cactus, Siler Pincushion (<i>Pediocactus (=Echinocactus,=Utahia) silen</i>)	T	Dicot Terrestrial	No
Cactus, Uinta Basin Hookless (<i>Sclerocactus glaucus</i>)	T	Dicot Terrestrial	No
Cactus, Winkler (<i>Pediocactus winkleri</i>)	T	Dicot Terrestrial	No
Cactus, Wright Fishhook (<i>Sclerocactus wrightiae</i>)	E	Dicot Terrestrial	No
Cycladenia, Jones (<i>Cycladenia jonesii (=humilis)</i>)	T	Dicot Terrestrial	No
Daisy, Maguire (<i>Erigeron maguirei</i>)	T	Dicot Freshwater	No
Milk-vetch, Deseret (<i>Astragalus desereticus</i>)	T	Dicot Terrestrial	No
Milk-vetch, Heliotrope (<i>Astragalus montii</i>)	T	Dicot Terrestrial	Yes
Milk-vetch, Holmgren (<i>Astragalus holmgreniorum</i>)	E	Dicot Terrestrial	No
Milk-vetch, Shivwits (<i>Astragalus ampullarioides</i>)	E	Dicot Terrestrial	No
Phacelia, Clay (<i>Phacelia argillacea</i>)	E	Dicot Terrestrial	No
Primrose, Maguire (<i>Primula maguirei</i>)	T	Dicot Terrestrial	No
Reed-mustard, Barneby (<i>Schoenocrambe barnebyi</i>)	E	Dicot Terrestrial	No
Reed-mustard, Shrubby (<i>Schoenocrambe suffrutescens</i>)	E	Dicot Terrestrial	No
Ridge-cress (=Pepper-cress), Barneby (<i>Lepidium barnebyanum</i>)	E	Dicot Terrestrial	No
Townsendia, Last Chance (<i>Townsendia aprica</i>)	T	Dicot Terrestrial	No

Chub, Bonytail (<i>Gila elegans</i>)	E	Freshwater	Fish	Yes
Chub, Humpback (<i>Gila cypha</i>)	E	Freshwater	Fish	Yes
Chub, Virgin River (<i>Gila seminuda (=robusta)</i>)	E	Freshwater	Fish	Yes
Squawfish, Colorado (<i>Ptychocheilus lucius</i>)	E	Freshwater	Fish	Yes
Sucker, June (<i>Chasmistes ilorus</i>)	E	Freshwater	Fish	Yes
Sucker, Razorback (<i>Xyrauchen texanus</i>)	E	Freshwater	Fish	Yes
Trout, Lahontan Cutthroat (<i>Oncorhynchus clarki henshawi</i>)	T	Freshwater	Fish	No
Woundfin (<i>Plagopterus argentissimus</i>)	E	Freshwater	Fish	Yes
Ferret, Black-footed (<i>Mustela nigripes</i>)	E	Terrestrial	Mammal	No
Prairie Dog, Utah (<i>Cynomys parvidens</i>)	T	Terrestrial, Subterranean	Mammal	No
Ladies'-tresses, Ute (<i>Spiranthes diluvialis</i>)	T	Terrestrial	Monocot	No
Sedge, Navajo (<i>Carex speculicola</i>)	T	Terrestrial	Monocot	Yes
Tortoise, Desert (<i>Gopherus agassizii</i>)	T	Terrestrial	Reptile	Yes
Vermont (4) species:			Taxa	Critical Habitat
Mussel, Dwarf Wedge (<i>Alasmidonta heterodon</i>)	E	Freshwater	Bivalve	No
Milk-vetch, Jesup's (<i>Astragalus robbinsii var. jesupii</i>)	E	Terrestrial	Dicot	No
Bat, Indiana (<i>Myotis sodalis</i>)	E	Terrestrial, Subterranean	Mammal	Yes
Bulrush, Northeastern (=Barbed Bristle) (<i>Scirpus ancistrochaetus</i>)	E	Terrestrial, Freshwater	Monocot	No
Virginia (65) species:			Taxa	Critical Habitat
Salamander, Shenandoah (<i>Plethodon shenandoah</i>)	E	Terrestrial, Freshwater	Amphibian	No
Plover, Piping (<i>Charadrius melodus</i>)	E	Terrestrial	Bird	Yes
Woodpecker, Red-cockaded (<i>Picoides borealis</i>)	E	Terrestrial	Bird	No
Fanshell (<i>Cyprogenia stegaria</i>)	E	Freshwater	Bivalve	No
Mucket, Pink (Pearlymussel) (<i>Lampsilis abrupta</i>)	E	Freshwater	Bivalve	No
Mussel, Cumberland Combshell (<i>Epioblasma brevidens</i>)	E	Freshwater	Bivalve	Yes
Mussel, Cumberland Elktoe (<i>Alasmidonta atropurpurea</i>)	E	Freshwater	Bivalve	Yes
Mussel, Dwarf Wedge (<i>Alasmidonta heterodon</i>)	E	Freshwater	Bivalve	No

Mussel, Fine-rayed Pigtoe (<i>Fusconaia cuneolus</i>)	E	Bivalve Freshwater	No
Mussel, Oyster (<i>Epioblasma capsaeformis</i>)	E	Bivalve Freshwater	Yes
Mussel, Rough Pigtoe (<i>Pleurobema plenum</i>)	E	Bivalve Freshwater	No
Mussel, Shiny Pigtoe (<i>Fusconaia cor</i>)	E	Bivalve Freshwater	No
Pearlymussel, Appalachian Monkeyface (<i>Quadrula sparsa</i>)	E	Bivalve Freshwater	No
Pearlymussel, Birdwing (<i>Conradilla caelata</i>)	E	Bivalve Freshwater	No
Pearlymussel, Cracking (<i>Hemistena lata</i>)	E	Bivalve Freshwater	No
Pearlymussel, Cumberland Bean (<i>Villosa irabalis</i>)	E	Bivalve Freshwater	No
Pearlymussel, Cumberland Monkeyface (<i>Quadrula intermedia</i>)	E	Bivalve Freshwater	No
Pearlymussel, Dromedary (<i>Dromus dromas</i>)	E	Bivalve Freshwater	No
Pearlymussel, Green-blossom (<i>Epioblasma lorulosa gubernaculum</i>)	E	Bivalve Freshwater	No
Pearlymussel, Little-wing (<i>Pegias fabula</i>)	E	Bivalve Freshwater	No
Purple Bean (<i>Villosa perpurpurea</i>)	E	Bivalve Freshwater	Yes
Rabbitsfoot, Rough (<i>Quadrula cylindrica strigillata</i>)	E	Bivalve Freshwater	Yes
Riffleshell, Tan (<i>Epioblasma florentina walkeri</i> (=E. walkeri))	E	Bivalve Freshwater	No
Spiny mussel, James River (<i>Pleurobema collina</i>)	E	Bivalve Freshwater	No
Isopod, Lee County Cave (<i>Lirceus usdagalun</i>)	E	Crustacean Freshwater	No
Isopod, Madison Cave (<i>Anirolana lira</i>)	T	Crustacean Freshwater	No
Amaranth, Seabeach (<i>Amaranthus pumilus</i>)	T	Dicot Coastal	No
Birch, Virginia Round-leaf (<i>Betula uber</i>)	T	Dicot Floodplain	No
Bittercress, Small-anthered (<i>Cardamine micranthera</i>)	E	Dicot Terrestrial	No
Chaffseed, American (<i>Schwalbea americana</i>)	E	Dicot Terrestrial	No
Coneflower, Smooth (<i>Echinacea laevigata</i>)	E	Dicot Terrestrial	No
Harperella (<i>Ptilimnium nodosum</i>)	E	Dicot Freshwater	No
Joint-vetch, Sensitive (<i>Aeschynomene virginica</i>)	T	Dicot Terrestrial, Brackish	No
Mallow, Peter's Mountain (<i>Ilfama corei</i>)	E	Dicot Terrestrial	No
Rock-cress, Shale Barren	E	Dicot	No

(<i>Arabis serotina</i>)		Terrestrial	
Sneezeweed, Virginia	T	Dicot	No
(<i>Helenium virginicum</i>)		Vernal pool	
Spiraea, Virginia	T	Dicot	No
(<i>Spiraea virginiana</i>)		Terrestrial	
Sumac, Michaux's	E	Dicot	No
(<i>Rhus michauxii</i>)		Terrestrial	
Sunflower, Schweinitz's	E	Dicot	No
(<i>Helianthus schweinitzii</i>)		Terrestrial	
Chub, Slender	T	Fish	Yes
(<i>Erismystax cahni</i>)		Freshwater	
Chub, Spotfin	T	Fish	Yes
(<i>Erismox monachus</i>)		Freshwater	
Dace, Blackside	T	Fish	No
(<i>Phoxinus cumbertandensis</i>)		Freshwater	
Darter, Duskytail	E	Fish	No
(<i>Etheostoma percnurum</i>)		Freshwater	
Logperch, Roanoke	E	Fish	No
(<i>Percina rex</i>)		Freshwater	
Madtom, Yellowfin	T	Fish	Yes
(<i>Nolurus flavipinnis</i>)		Freshwater	
Sturgeon, Shortnose	E	Fish	No
(<i>Acipenser brevirostrum</i>)		Freshwater, Saltwater	
Snail, Virginia Fringed Mountain	E	Gastropod	No
(<i>Polygyriscus virginianus</i>)		Terrestrial	
Beetle, Northeastern Beach Tiger	T	Insect	No
(<i>Cicindela dorsalis dorsalis</i>)		Terrestrial	
Butterfly, Mitchell's Satyr	E	Insect	No
(<i>Neonympha mitchellii mitchellii</i>)		Terrestrial, Perm. wetland	
Bat, Gray	E	Mammal	No
(<i>Myotis grisescens</i>)		Terrestrial, Subterraneous	
Bat, Indiana	E	Mammal	Yes
(<i>Myotis sodalis</i>)		Terrestrial, Subterraneous	
Bat, Virginia Big-eared	E	Mammal	Yes
(<i>Corynorhinus (=Plecotus) townsendii virginianus</i>)		Terrestrial, Subterraneous	
Squirrel, Delmarva Peninsula Fox	E	Mammal	No
(<i>Sciurus niger cinereus</i>)		Terrestrial	
Whale, Finback	E	Marine mml	No
(<i>Balaenoptera physalus</i>)		Saltwater	
Whale, Humpback	E	Marine mml	No
(<i>Megaptera novaeangliae</i>)		Saltwater	
Whale, North Atlantic right	E	Marine mml	Yes
(<i>Eubalaena glacialis (incl. australis)</i>)		Saltwater	
Bulrush, Northeastern (=Barbed Bristle)	E	Monocot	No
(<i>Scirpus ancistrochaetus</i>)		Terrestrial, Freshwater	
Orchid, Eastern Prairie Fringed	T	Monocot	No
(<i>Platanthera leucophaea</i>)		Terrestrial	
Pink, Swamp	T	Monocot	No
(<i>Hejonia bullata</i>)		Terrestrial, Freshwater	
Pogonia, Small Whorled	T	Monocot	No
(<i>Isotria medeoloides</i>)		Terrestrial	
Sea turtle, green	E	Reptile	Yes
(<i>Chelonia mydas</i>)		Saltwater	

Sea turtle, hawksbill (<i>Eretmochelys imbricata</i>)	E	Reptile	Yes
Sea turtle, Kemp's ridley (<i>Lepidochelys kempii</i>)	E	Reptile	No
Sea turtle, leatherback (<i>Dermochelys coriacea</i>)	E	Reptile	Yes
Sea turtle, loggerhead (<i>Caretta caretta</i>)	T	Reptile	No
Washington (23) species:		Taxa	Critical Habitat
Murrelet, Marbled (<i>Brachyramphus marmoratus</i>)	T	Bird	Yes
Owl, Northern Spotted (<i>Strix occidentalis caurina</i>)	T	Terrestrial	Yes
Pelican, Brown (<i>Pelecanus occidentalis</i>)	E	Bird	No
Plover, Western Snowy (<i>Charadrius alexandrinus nivosus</i>)	T	Bird	Yes
Catchfly, Spalding's (<i>Silene spaldingii</i>)	T	Terrestrial	No
Checker-mallow, Nelson's (<i>Sidalcea nelsoniana</i>)	T	Dicot	No
Checker-mallow, Wenatchee Mountains (<i>Sidalcea oregana</i> var. <i>calva</i>)	E	Terrestrial	Yes
Howellia, Water (<i>Howellia aquatilis</i>)	T	Dicot	No
Lupine, Kincaid's (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>))	T	Terrestrial	Yes
Paintbrush, Golden (<i>Castilleja levisecta</i>)	T	Dicot	No
Stickseed, Showy (<i>Hackelia venusta</i>)	E	Terrestrial	No
Salmon, Chum (<i>Oncorhynchus</i> (=Salmo) <i>keha</i>)	T	Fish	Yes
Salmon, Sockeye (<i>Oncorhynchus</i> (=Salmo) <i>nerka</i>)	E	Freshwater, Brackish, Saltwater	No
Steelhead (<i>Oncorhynchus</i> (=Salmo) <i>mykiss</i>)	E	Freshwater, Brackish, Saltwater	Yes
Trout, Bull (<i>Salvelinus confluentus</i>)	T	Freshwater	Yes
Bear, Grizzly (<i>Ursus arctos horribilis</i>)	T	Mammal	No
Deer, Columbian White-tailed (<i>Odocoileus virginianus leucurus</i>)	E	Terrestrial	No
Rabbit, Pygmy (<i>Brachylagus idahoensis</i>)	E	Mammal	No
Sea-lion, Steller (eastern) (<i>Eumelopias jubatus</i>)	T	Marine mml	Yes
Whale, Humpback (<i>Megaptera novaeangliae</i>)	E	Saltwater, Coastal	No
Whale, North Pacific right (<i>Eubalaena japonica</i>)	E	Marine mml	Yes
Sea turtle, green (<i>Chelonia mydas</i>)	E	Saltwater	Yes

Sea turtle, leatherback (<i>Dermodochelys coriacea</i>)	E	Reptile Saltwater, Coastal	Yes
West Virginia (16) species:		Taxa	Critical Habitat
Salamander, Cheat Mountain (<i>Plethodon nettingi</i>)	T	Amphibian Terrestrial, Freshwater	No
Fanshell (<i>Cyprogenia stegaria</i>)	E	Bivalve Freshwater	No
Mucket, Pink (Pearlymussel) (<i>Lampsilis abrupta</i>)	E	Bivalve Freshwater	No
Mussel, Clubshell (<i>Pleurobema clava</i>)	E	Bivalve Freshwater	No
Pearlymussel, Tubercled-blossom (<i>Epioblasma torulosa torulosa</i>)	E	Bivalve Freshwater	No
Spiny mussel, James River (<i>Pleurobema collina</i>)	E	Bivalve Freshwater	No
Clover, Running Buffalo (<i>Trifolium stoloniferum</i>)	E	Dicot Terrestrial	No
Harperella (<i>Ptilimnium nodosum</i>)	E	Dicot Freshwater	No
Rock-cress, Shale Barren (<i>Arabis serotina</i>)	E	Dicot Terrestrial	No
Spiraea, Virginia (<i>Spiraea virginiana</i>)	T	Dicot Terrestrial	No
Snail, Flat-spined Three-toothed (<i>Triodopsis platysayoides</i>)	T	Gastropod Terrestrial	No
Bat, Gray (<i>Myotis grisescens</i>)	E	Mammal Terrestrial, Subterranean	No
Bat, Indiana (<i>Myotis sodalis</i>)	E	Mammal Terrestrial, Subterranean	Yes
Bat, Virginia Big-eared (<i>Corynorhinus (=Plecotus) townsendii virginianus</i>)	E	Mammal Terrestrial, Subterranean	Yes
Squirrel, Carolina Northern Flying (<i>Glaucomys sabrinus coloratus</i>)	E	Mammal Terrestrial	No
Bulrush, Northeastern (=Barbed Bristle) (<i>Scirpus ancistrochaetus</i>)	E	Monocot Terrestrial, Freshwater	No
Wisconsin (14) species:		Taxa	Critical Habitat
Crane, Whooping (<i>Grus americana</i>)	E	Bird Terrestrial, Freshwater	Yes
Plover, Piping (<i>Charadrius melodus</i>)	E	Bird Terrestrial	Yes
Warbler (=Wood), Kirtland's (<i>Dendroica kirtlandii</i>)	E	Bird Terrestrial	No
Mussel, Winged Mapleleaf (<i>Quadrula fragosa</i>)	E	Bivalve Freshwater	No
Pearlymussel, Higgins' Eye (<i>Lampsilis higginsii</i>)	E	Bivalve Freshwater	No
Clover, Prairie Bush (<i>Lespedeza leptostachya</i>)	T	Dicot Terrestrial	No
Locoweed, Fassett's (<i>Oxytropis campestris var. chartacea</i>)	T	Dicot Terrestrial	No
Monkshood, Northern Wild (<i>Aconitum noveboracense</i>)	T	Dicot Terrestrial	No
Thistle, Pitcher's	T	Dicot	No

(<i>Cirsium pitcheri</i>)		Terrestrial	
Butterfly, Karner Blue	E	Insect	No
(<i>Lycaeides melissa samuelis</i>)		Terrestrial	
Dragonfly, Hine's Emerald	E	Insect	Yes
(<i>Somatochlora hineana</i>)		Terrestrial, Freshwater	
Lynx, Canada	T	Mammal	No
(<i>Lynx canadensis</i>)		Terrestrial	
Iris, Dwarf Lake	T	Monocot	No
(<i>Iris lacustris</i>)		Terrestrial	
Orchid, Eastern Prairie Fringed	T	Monocot	No
(<i>Platanthera leucophaea</i>)		Terrestrial	
Wyoming	(5) species:	Taxa	Critical Habitat
Butterfly Plant, Colorado	T	Dicot	Yes
(<i>Gaura neomexicana var. coloradensis</i>)		Terrestrial	
Yellowhead, Desert	T	Dicot	Yes
(<i>Yermo xanthocephalus</i>)		Terrestrial	
Bear, Grizzly	T	Mammal	No
(<i>Ursus arctos horribilis</i>)		Terrestrial	
Ferret, Black-footed	E	Mammal	No
(<i>Mustela nigripes</i>)		Terrestrial	
Mouse, Preble's Meadow Jumping	T	Mammal	Yes
(<i>Zapus hudsonius preblei</i>)		Terrestrial	

No species were selected for exclusion.
Dispersed species included in report.